

DRUG & CHEMICAL MARKETS

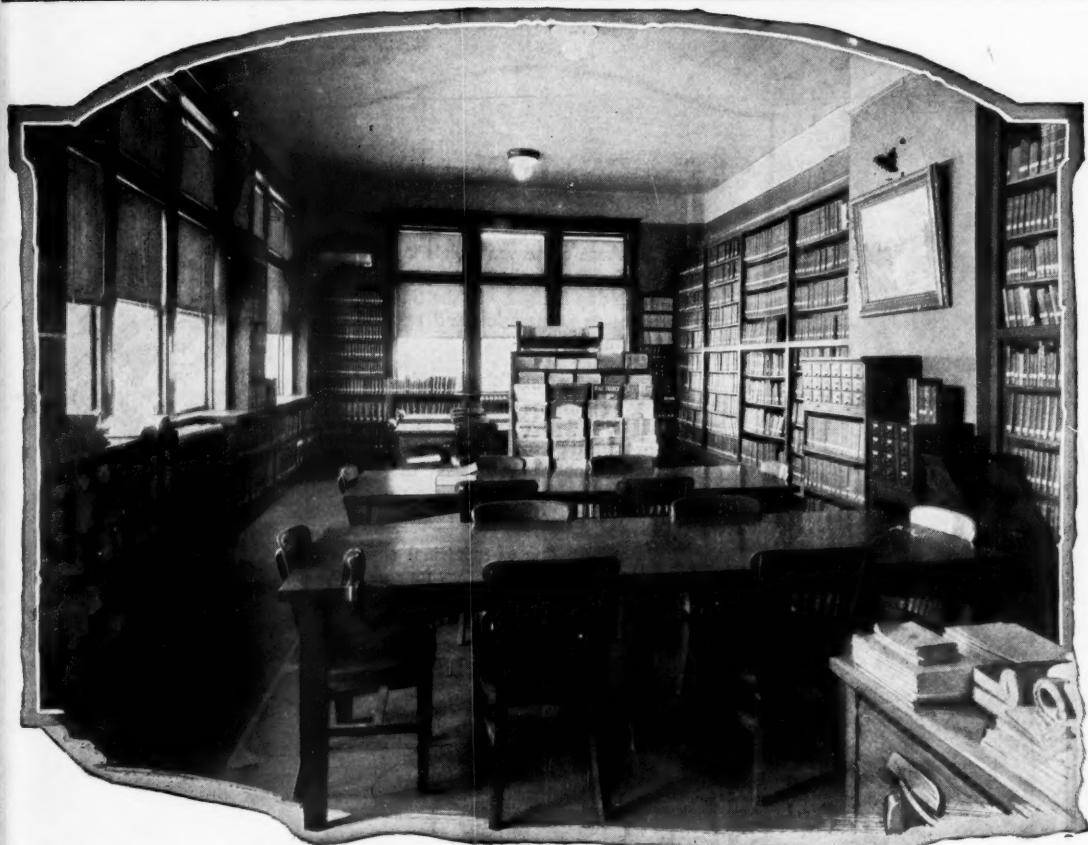
Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVI

NEW YORK, JUNE 24, 1925

No. 25



What is Practical Research

Pharmaceutical
Chemicals

Some



Products include

Heavy Chemicals
Intermediates
Dyes
Aromatic Chemicals
Insecticides
Magnesium Metal

As we look at it, practical research involves the study, experiment and experience which goes to make our products and our service most useful, most dependable and most economical to those who deal with us.

Every trade has its research problems; the questions which arise in the pharmaceutical trades naturally vary from those presented by the textile, leather, or rubber manufacturer. The problems of the industrial plant or the highway engineer are still different.

So, for the hundreds of Dow men engaged in working out these problems, The Dow Chemical Company maintains one of the most extensive chemical libraries as well as large and well equipped laboratories. Dow sales have been largely increased by research work on the problems of Dow Customers. Let us help you with your chemical problems.

THE DOW CHEMICAL COMPANY - MIDLAND, MICHIGAN

90 West Street, New York City

Branch Sales Offices

Second & Madison Sts., Saint Louis

"The Best Is Cheapest"

—Franklin

The purchase of raw materials lays the foundation for the finished product. Only if this foundation is right will the time and energy spent in preparation and exploitation prove fruitful.

Particularly in medicinal and pharmaceutical products—those intended for human consumption—the best is always the cheapest. And often, by a discriminating choice of your source of supply, the best may be had at no higher price than current market quotations.

The Monsanto line of medicinal chemicals offers the best that twenty-four years of painstaking research and careful plant control can produce.

Monsanto Chemical Works
St. Louis, U.S.A.

Branch Offices
and Warehouse Stocks:
New York
Chicago

Works
St. Louis
East St. Louis
Rushboro, N. Wales



MATHIESON Chemicals

Aqua Ammonia for Textile Processing

In line with our increasing production and to better serve the trade, we are steadily expanding our production facilities on Aqua Ammonia.

Warehouse stocks are now established at the following points:

Atlanta, Ga.	Fort Smith, Ark.	New Orleans, La.
Baltimore, Md.	Knoxville, Tenn.	New York City
Buffalo, N. Y.	Lynchburg, Va.	Philadelphia, Pa.
Charlotte, N. C.	Memphis, Tenn.	Providence, R. I.
Chattanooga, Tenn.	Nashville, Tenn.	Richmond, Va.
Fairmont, W. Va.	Newark, N. J.	St. Louis, Mo.

As rapidly as the growing volume of business warrants, new stocks will be added at other distributing centers. Mathieson Aqua Ammonia, 26°, is furnished in standard 110-gallon drums and is a synthetic product of exceptional purity.

We solicit inquiries from all textile consumers and are prepared to meet the demands of the trade in every possible way. Write us fully of your Aqua Ammonia requirements and we will be glad to give quotations and full information regarding our product.

The **MATHIESON ALKALI WORKS Inc.**
250 PARK AVE. NEW YORK CITY
PHILADELPHIA CHICAGO PROVIDENCE CHARLOTTE

*Caustic Soda - Liquid Chlorine
Bicarbonate of Soda
Anhydrous Ammonia*



*Soda Ash - Bleaching Powder
Modified Virginia Soda
Aqua Ammonia*

Deal Direct with the Manufacturer

INDANTHRENE
THIO-INDIGO
HELINDON
HYDRON

— and other vat dyes

Stock and Importations
direct from the manufacturers

A COMPLETE LINE OF

Acid, Basic, Chrome,
Sulphur and Direct
Colors, Intermediates,
Cotton Finishes,
Turkey Red Oils,
Soluble and Leather
Oils

MANUFACTURED BY

Central Dyestuff & Chemical Co
Consolidated Color & Chemical Co.

Williamsburg Chemical Co.

and other American manufacturers



Reg. U. S. Pat. Off.

H.A. METZ & CO. Inc.
One Twenty-Two Hudson Street, New York City.
Boston Philadelphia Providence Chicago Charlotte San Francisco

DRUG & CHEMICAL MARKETS

(Title and Style Registered in U. S. Patent Office)

Published Every Wednesday by

DRUG & CHEMICAL MARKETS, INC.

Williams Haynes, President
Ira P. MacNair, Vice-President

F. F. Burgin, Secretary
D. O. Haynes, Jr., Treasurer

Publication Office

25 SPRUCE ST., NEW YORK, U. S. A.

Telephone Beekman 6677

Cable Chemmarket

Entered as second-class matter, Dec. 7, 1914, at the post office at New York, N. Y., under the Act of March 3, 1879.

SUBSCRIPTION RATES

United States, Cuba and Mexico, \$4.00 a year; Foreign \$5.00 a year, payable in advance. Current Copies, 15 cents. Back Copies 25 cents. A Binder for this Journal @ \$1.00 Postpaid.

VOL. XVI

No. 25

The Week in Brief

News

The Bureau of Chemistry fixes variations to be allowed in hypodermic tablets and recommends methods of analysis.

Manufacturer of chlorate of potash in United States explains German dumping and effect on American market before tariff was increased.

Dye imports from Switzerland are less competitive with American products from year to year as the industry in the United States develops, according to officials of the Chemical Division of the Department of Commerce.

Representatives of E. I. du Pont de Nemours & Co., Atlas Powder Co., Hercules Powder Co., Dow Chemical Co., Pennsylvania Salt Co., and other manufacturers interested in the work of the National Safety Council took part in a discussion of "Safety Devices and Plans for Chemical Plants" at a meeting in Wilmington, Del.

Markets

Industrial chemical prices show but slight changes. Copper sulfate is firmer. Arsenic is easy and quiet. Prices on the entire list of imported and domestic products are firm.

Intermediates continue in slight request with makers maintaining firm unchanged prices on all products. Light oil distillates are in very active demand and prices are very firm. Pyridine has declined.

Prices on vegetable and animal oils continue to advance. Cottonseed oil higher on sharp upward turn in lard. Chinawood oil up again. Linseed oil declines. Consuming demand small.

Fine chemicals are moving in small volume but in a constant flow which brings total volumes at the end of the month to normal figures. Market is steady with prices well established.

Activity in crude drugs is confining itself to a few items that are in seasonal demand and movements in trade are small. Gums are scarce and higher, golden seal easier, rhubarb firmer.

Calco Malachite Green

Malachite Green is a logical member of the Calco line of basic colors, for its preparation depends very largely upon Dimethylaniline, an important intermediate we have been manufacturing ever since the company was founded. Its use, like that of Methylene Blue and Methyl Violet, is very wide-spread throughout the textile, paper, lake manufacturing and other industries.

Calco Malachite Green V is standardized according to the way in which it is to be used. If it is to be dyed on cotton, a test is made on cotton; if on paper, a paper test is made; and if it is to be used as a lake, the batch is tested by the lake laboratory.

Specify Calco Malachite Green V and be sure of getting a product that has been especially chosen for your specific requirements.

"A Mark of Quality"



THE CALCO CHEMICAL COMPANY
Bound Brook N. J.

New York Boston Philadelphia Chicago

Canadian Representative: Dillons, Ltd., Montreal, Toronto

Dependability in quality and service
Should be the deciding factor in purchasing

CHEMICALS
for the
TEXTILE MILL

Sulphuric Acid
(all strengths)

Oil of Vitriol

Nitric Acid
(all strengths)

Muriatic Acid 18°, 20°, 22°

Acetic Acid
(all strengths)

Chloride of Alumina
(liquid and dry)

Bisulphite of Soda
(liquid and dry)

Glaubers Salt

Aqua Ammonia
(all strengths)

Bisulphate of Soda

The
MERRIMAC CHEMICAL COMPANY

Has been serving the textile industry since 1853

Everett

Boston

Woburn

DRUG & CHEMICAL MARKETS

VOL. XVI

NEW YORK, JUNE 24, 1925

No. 25

BUSINESS AND THE BANKS

Bankers are wary people. They lend money to every conceivable type of business and industry, and their knowledge of the inner workings of any one industry is naturally limited. Newspaper and other articles which indicate this or that business is not faring so well, are all watched with great care by most banking institutions as it is well nigh impossible for them to keep their fingers on the pulses of a hundred different trades at one time. Being wary, when they read of danger to an industry, the chances are that they will play safe and refuse to extend loans or give further credit in this direction.

The recent publicity which was given to synthetic methanol from Germany, particularly the numerous obituaries of the American wood chemical industry which were published in conjunction with this, caused most serious consternation in banking circles. The reflection on banking relations of numerous smaller wood distillers was anything but pleasant. Naturally, the firms defended their own business, but the arguments did not carry a great deal of weight with the bankers. Loans have been cut off and extensions refused. The chemical people know the facts, but the banks know merely what they read and hear, and, always playing safe, they scent danger. Danger always appears greater where real understanding is lacking.

Many people who really know or understand little of the wood chemical situation to-day have undertaken to write on what synthetic methanol would do to the industry here. The less they have known the wilder have been the stories. Several newspaper stories have predicted complete elimination of the American wood chemical business overnight. Others have worked from synthetic methanol as a basis and have predicted everything synthetic from babies to buttons. One fact and several vivid imaginations, and the damage has been done.

In addition to other difficulties, the wood chemical people are now faced with the problem of convincing the banks of this country that they are solvent and are likely to be for some time to come. They must prove that, although synthetic methanol may replace the natural product in years to come, the change is not likely to come suddenly

in a week, a month, or a year. To their lot has been added the job of undoing the unintentional damage of the professional monkey-wrench-throwers, those who write better than they think.

CREDIT AND TERMS FOR BUYERS

Credit and terms, always important and a good selling point, are brought more strongly to the front when the market is quiet than when trading is active. When manufacturers are busy they are unwilling to take chances on uncertain accounts, but when they are eagerly seeking orders they are more conciliatory. Dealers who hold stocks that appear fairly large when buying is slack and who are anxious to liquidate their holdings, are also willing to grant more liberal terms.

The buyer realizes this state of mind of makers and dealers and plays his hand accordingly. When he is buying from a dealer, who is less apt than a manufacturer to hold firm, he barter for terms. But from the dealer's point of view, the buyer is dead wrong in his tactics. Generally the dealer under pressure figures out the lowest possible price that he can accept for his goods on a cash basis and gives the quotation to a broker in order to move the material. When the goods are offered to a buyer and the buyer accepts the price, he then wants thirty days credit which the dealer generally is unwilling to give. And so the game goes on, the buyer beats down prices at every opportunity and failing in that, he goes after terms. The sooner the question of cash discounts and terms is settled one way or another, the sooner will another unpleasant feature be removed from business.

HAND-TO-MOUTH BUYING

A great deal has been said about consumers being unwilling to purchase large stocks of chemicals and factors in the trade are always predicting a return to advance buying in large lots as necessary for strong markets and general prosperity. Ever since the post-war peak, when the reaction in chemical prices began, buyers have been wary of anticipating their wants to any great extent.

This condition has after all brought a healthier state among the industries, and it is doubtful whether improvement would follow were buyers to carry heavy stocks. Certainly under the present policy less money is tied up in raw ma-

terials and the consumer is in a sounder financial condition and better adapted to meet changing conditions. The chemical manufacturer benefits to some extent when the demand is steady instead of spasmodic, for it makes smoother working conditions in his plant.

The large amount of business now in the hands of the domestic manufacturers, with consumers contracting directly from the maker for their requirements with protection against price decline, is directly traceable to the change in buying methods. And the basic reason why consumers are able to follow the hand-to-mouth policy of buying is because they know that when they order they will promptly receive shipments of the goods they want.

WHY SAFETY PLANS PAY

Safety plans are important to manufacturers of chemicals both from the possible financial loss in cases of injury to employees and from loss of time, especially of skilled workers. A great many devices to protect the men have been adopted by the big companies, and many have a special department to care for the injured with a physician in charge. The National Safety Council has co-operated with manufacturers in the protective work and get-together meetings are held from time to time to exchange information and discuss methods of handling dangerous raw materials and products. Engineers are studying the problems constantly and special committees are investigating with the aid of experts to learn the causes of accidents, and to obtain information which will enable manufacturers to adopt precautions. The safety work has developed into general welfare plans for the employees and their families in many industries, and the department is classed as an asset, not a liability.

WHERE THE IMPORTER STANDS

The question whether the importer of chemicals and raw materials for the chemical industry in a large way to sell to local dealers, serves a useful purpose, and just what his scope is, has been argued from both sides ever since the chemical trade came into being. That it has not yet been answered to the complete satisfaction of everybody is made evident repeatedly. It is an undoubted fact that in most cases, large lots, such as an importer would buy, can be purchased and brought into this country at a lower figure than could the same quantity bought in several lots by each of the importer's customers. This is not universally true, however, as some of the foreign producers seem to labor under the impression that a large order means increasing demand and immediately boost their prices when an order of any size looms on the horizon. It is true even where consumers buy in such quantities that they have their own purchasing agents at the source of supply. The importer often can buy for them to far better advantage than purchasing agents. Repeated instances could be cited. On the other

hand, cases are not unknown where an importer was sold to local dealers and then gone into the field in competition with the dealers for the consuming trade. In such cases, the dealer undoubtedly has a legitimate complaint.

The situation calls for a live and let live policy on the part of both importers and dealers. If the importer does serve the dealer to advantage, why not let him do the buying in the foreign markets and worry about freights, duties, warehousing and other such incidentals? And, if the importer is going to sell to the dealers, let him stick to his last and not antagonize his regular customers.

Ten Years Ago

From the June 23, 1915, issue of "Drug & Chemical Markets"

Hesitancy to invest money in new chemical plants and equipment in the United States has been shown because of the fear that with the termination of the war in Europe, it would be necessary to scrap plants constructed with a view of supplying the present unusual demand for coal-tar and other products which heretofore have been manufactured almost exclusively in Germany.

Now that higher prices for quicksilver are here, it can be reasonably expected that producers in California, Arizona, and possibly one or two other mining states, will endeavor to increase their output. Heretofore the market has not been profitable to American producers who could not compete with the cheap labor costs of Europe.

The advance in quinine has been foreshadowed by the reduced offerings and increased cost of cinchona bark. Domestic manufacturers are having some difficulty in securing sufficient supplies of bark through the usual channels, feeling the policy of curtailment being adopted by the Java growers.

Spot menthol is offered at \$2.75 to \$2.80 lb. in case lots, the market having eased off on predictions of a large output in Japan this year. Western holders of peppermint oil have reduced their prices and now quote on a basis of \$1.60 to \$1.65 per pound.

Many drugs and chemicals formerly sold in packages never smaller than one pound as a minimum by the jobbing trade, are now in active demand in halves, quarters, and even ounces. The change in packing sizes, of course, is due to the higher and higher prices prevailing.

Albert Plaut, former president of the National Wholesale Druggists' Association, and president of Lehn & Fink, New York, died Thursday, June 17, at the Ritz-Carlton Hotel, New York, at the age of 58 years.

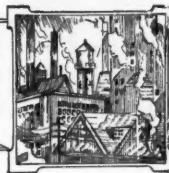
The United States Steel Corp. has nearly completed its benzol plant at Farrell, Pa., and plants at Gary and Birmingham will be finished in the early Fall, at which time the total annual output of benzol by this company will be 9,500,000 gallons. Last week, the Republic Iron & Steel Corp. at Youngstown, Pa., announced the initial run from its benzol plant recently completed.

The General Supply Committee, Washington, for class 4, and the Bureau of Engraving and Printing have placed a large number of contracts for drugs, chemicals, medicines and dry colors for the fiscal year 1926.



Industrial Chemical

SECTION



Imports of Swiss Dyes Slowly Decreasing

By L. M. LAMM, Washington Correspondent, Drug & Chemical Markets

Change Due to the Development of the Industry in the United States—Indigo an Example of Switzerland's Loss of Trade—Aniline Colors Made from Coal, But Switzerland Must Import the Coal—Now Making the Bulk of Their Intermediates—Consuming Industries in Switzerland Are Silk, Cotton and Woolen Goods, Leather, Paper and Soap

American dye manufacturers have little to fear from Swiss competition in the opinion of officials of the Chemical Division, Department of Commerce. The list of competitive products is rapidly decreasing as a result of systematic research in this country. Swiss dye imports show that the demand for indigo, which was an important factor in the trade, has gradually decreased and since 1922 has not been imported at all, due to the fact that it is being produced in this country. Figures available at the Department of Commerce shows that importations from 1914 to 1915 were as follows: 1914, \$845,274; 1915, \$1,088,183; 1916, \$1,282,478; 1917, \$2,565,047; 1918, \$2,682,364.

Imports of dyes from Switzerland in 1919 totaled 2,026,655 pounds, valued at \$2,596,904; in 1920, 1,937,471 pounds, valued at \$3,178,711; in 1921, 1,529,319 pounds, valued at \$2,161,854; in 1922, 1,503,299 pounds, valued at \$2,335,940; in 1923, 933,233 pounds, valued at \$1,458,454; and in 1924, 1,148,341 pounds, valued at \$1,582,172. American Consul Hitch at Basle, who has made one of the most interesting of the recent reports on the Swiss situation, is of the opinion that American producers would not be justified in establishing branch offices in Switzerland due first to the size of the country and second to the limited demand.

Dependent Upon Export Trade

All artificial dyes produced in Switzerland are manufactured in the vicinity of Basle. Like many other Swiss industries the dye industry is largely dependent upon export trade. While there are many dye consuming industries in Switzerland, it is estimated that not more than 10 per cent of the dyes made in Basle are used in domestic industry. The reports indicate that dye manufacturing was originally established in Basle for the purpose of supplying dyes to the local manufacturers of silks and silk ribbons, but with the discovery of synthetic dyes the industry soon developed beyond local requirements and it is said that at the present time about 15 per cent of the world's output of aniline colors are produced by Basle firms.

The Basle dye industry dates from 1856. The Polytechnic School at Zurich, which has always maintained a staff of highly trained chemists, has been of great assistance to the industry through the discovery of new formulae and in the training of young men for responsible positions in the factories which were later to be established.

When it is recalled that aniline colors are produced from coal and that no coal is produced in Switzerland,

the great handicap to the Basle dye industry can be appreciated. Ordinarily an abundant supply of raw material at a reasonable cost is essential to the success of any industry, but notwithstanding the fact that Switzerland must import all of its supplies at a high cost, the dye industry of Basle has been a success from its very inception. It is pointed out in some of the reports that during the war when it was exceedingly difficult to obtain supplies of raw materials the chemical factories in Basle began making sulfuric acid, hydrochloric acid and caustic soda, and the Swiss dye works are now practically independent of foreign countries for these materials. Salt is obtained in large quantities from the salt works near Basle.

Not only has there been a decrease in the quantities of raw materials imported into Switzerland, but there has been a change in the countries from which the raw materials are obtained. Before the war Germany had practically a monopoly of all coal tar crudes and intermediates imported into Switzerland, and from 1906 to 1913 supplied about 95 per cent of the coal oil, aniline and aniline compounds. Conditions have since changed, and in 1923 Germany supplied only 70 per cent of the coal oil, 10 per cent of the aniline, and 45 per cent of the aniline compound. For the past two or three years, according to the report, considerable quantities of these materials have been supplied by England, France, and the United States. Switzerland not being a coal producing country is unable to make any of the ten fundamental materials required for making dyes. The one exception is benzol, small quantities of which are produced in some of the gas works. A curious fact is that certain quantities of these materials are being exported from Switzerland to other countries, but these are presumed to be re-exports.

Making Their Own Intermediates

In pre-war days when conditions were normal and prices were relatively low, Swiss dye factories imported large quantities of intermediates, mostly from Germany, but as it became increasingly difficult during the war to obtain these supplies the chemical works of Basle began the manufacture of their own intermediates. The result is that at the present time the greater part of the intermediates used in the manufacture of Swiss dyes is produced locally.

The only statistics available are the federal statistics of imports and exports. These, however, do not show the quantities of intermediates produced by Basle firms, although it is possible for one skilled in the chemical trade to make a fair calculation taking the difference between the imports and exports and calculating the total quantity of intermediates required for the quantity of dyes produced. At the present time the quantities of intermediates exported from Switzerland, are about one half the quantities imported. In 1921 the United States supplied by far the largest quantity of intermediates to Switzerland, but Germany

has since returned to her pre-war position and is now the largest source of supply.

The only vegetable dyes made in Switzerland are chlorophyl and logwood extract. Chlorophyl is used largely for coloring soaps, oils, liqueurs, and foodstuffs and is made from nettle leaves which are abundant in Switzerland, although small quantities are imported from France, Austria, and Czechoslovakia.

Consuming Industries

The number of dye consuming industries of Switzerland, in proportion to the size and population of the country, compares favorably with other countries. The principal industries are silk, cotton and woolen goods, leather, paper, soaps, beverages and foodstuffs. The textile industries are the principal users of dyes. The reports say that there has been a gradual development and enlargement of these industries within the last few years and there has naturally been a proportionate increase in the use of dyes. The more expensive dyes are used largely by the silk ribbon factories of Basle and the silk, cotton and woolen mills of Zurich.

Manufacturers of textiles do not do their own dyeing, but contract for the work to be done by central dyeing establishments. This is especially true of silk and silk ribbons and the finer qualities of cotton and woolen goods. Dyeing is such a complicated process and one which involves such a vast knowledge of color combinations and secret formulas that the spinners do not attempt it.

The ribbon manufacturers send the raw silk in skeins to the dyer with a memorandum of how much of it is to be dyed certain colors. The dyer puts it through a preliminary scouring process removing all gum and foreign substances and then dyes the skeins according to the owner's specifications.

The finer grades of ribbon, such as those manufactured almost exclusively in Basle, are always made of dyed silks. The cheaper grades, however, are often woven in the gray and dyed later. This procedure eliminates the preliminary process of scouring to remove gum, and results in coarser texture and looser weave.

Method of Buying

The Swiss dyeing establishments purchase the greater portion of their dyes direct from Basle dye manufacturers without the intervention of jobbers or agents. The one notable exception is the German indigo blue, which dyers claim is superior to the indigo blue produced in other countries. Foreign dyes, mostly German, which are used in Switzerland are purchased through agents of the manufacturers. There are no jobbers in Switzerland handling dyes.

The machinery used for dyeing in Switzerland is largely of Swiss and German manufacture. Only in recent years has there been much use of modern machinery. Even now, some of the old hand tubs, and other antiquated apparatus which is considered too good to throw away are being used. Replacement is invariably done with the most modern machinery.

Germany is said to be the only foreign country that has ever found it profitable to sell dyes in Switzerland and this is undoubtedly due to its proximity. The annual Swiss consumption of foreign dyes is in the neighborhood of \$500,000. It is estimated that the dye consuming industries of Switzerland use about 10 per cent of the dyes produced in Basle. There is no prejudice in Switzerland in favor of the products of any country. It is more a question of quality, price and prompt delivery.

INDUSTRIAL CHEMICAL SECTION

SAFETY FIRST IN CHEMICAL PLANTS DISCUSSED AT WILMINGTON MEETING

Hercules and Atlas Powder Cos., Du Pont Dye and Chemical Divisions, Dow Chemical Co., Pennsylvania Salt and Krebs Pigment Chemical Co. Represented—Spray Painting To Be Investigated

The Executive Committee of the Chemical Section of the National Safety Council has instructed its Industrial Poisons Committee to make a study of the best practices in the use of spray painting with quick drying finishes of the pyroxylin type. The action was taken as a result of numerous inquiries. The investigation will be handled by specialists as was the investigation of the hazards of benzol poisoning. A. I. Watson, of Hooker Electrochemical Co., Niagara Falls, is chairman of the Chemical Section, and S. E. Whiting, of Liberty Mutual Insurance Company, Boston, is chairman of the Industrial Poisons Committee.

Health and safety problems connected with the chemical industries comprised the topics of interesting and valuable addresses and discussions before the Chemical Safety Conference held at Wilmington, Del., May 22 and 23. Approximately 100 persons were present.

T. W. Bacchus, president of Hercules Powder Co., spoke on "The Importance of Safety Work," stressing the various factors that had caused the Hercules Powder Co. to endorse and carry on accident prevention work.

G. M. Read, chairman, DuPont Chemical Engineering Society, Wilmington, Del., who is connected with the dye works of DuPont Co., read a paper on "Precautions in Maintenance Work." C. E. Rice, of Dow Chemical Co., Midland, Mich., G. E. Minshall of the E. I. duPont de Nemours & Co., Wilmington, Del., and W. H. Fulweiler of United Gas Improvement Co. of Philadelphia, discussed the difficulty of rescuing unconscious persons through man-holes of closed vessels.

A paper on respirators and gas masks was read by J. M. Sandel, safety engineer, National Safety Council. J. L. Kistner, of the Chemical Warfare Service at Edgewood, Md., followed with lantern slides showing scenes from the factory manufacturing gas masks for army purposes.

Dr. W. H. Hinkel, Atlas Powder Co., read a paper on the "Treatment of Chemical Injuries Caused by Alkalis and Acids."

W. H. Kiler, Hercules Powder Co., read a paper, "Safety in the Design of Chemical Plants." He said that of all hazards that exist 90 per cent are man-made while but 10 per cent are natural.

H. V. Berg, Krebs Pigment Chemical Co., discussed the proper guarding of belts and machines, sanitation, necessity of proper lighting and protection against glare, as well as the necessity of proper plant and equipment inspection.

The Saturday morning session was presided over by S. H. Kershaw, Hercules Powder Co. A round table discussion was held on "Safe Handling of Materials in Chemical Plants." This was led by W. P. Rheuby, New Castle Leather Co., Mr. Munson, E. I. duPont de Nemours & Co. and Ira V. Kepner, Philadelphia Salt Mfg. Co.

Ira V. Kepner outlined the "jury system" used by the Pennsylvania Salt Manufacturing Co. and described a peculiar explosion which occurred while unloading sulphur. Although many suggestions were offered by those present, not one preventive or cause could be determined.

Chemical Warfare Not Past, Says Herty

Tells Synthetic Organic Chemical Manufacturers' Meeting That America Cannot Relax in Defense Preparations in the Gas Field—Says Arms Conference Refusal To Ban Gas Was Suppressed—Wood Chemical Makers "Stripping for Fight" on Imports of Methanol—Sales Graft Attacked—News of Individuals

(Special to DRUG & CHEMICAL MARKETS)

Bellport, L. I., June 21—America cannot afford to neglect research in the field of poison gases, for chemical warfare is not past, Dr. Charles H. Herty, president of the Synthetic Organic Chemical Manufacturers' Association, told the some sixty members who were present here at the annual meeting. Saying that defense preparations cannot be relaxed, he cited the instance of the refusal of the Arms Limitation Conference three years ago to ban gas warfare, and the suppression of the publication of this report. Dr. Herty said in part: "Owing to the enormous use of potential warfare gases in peace, it is impossible to take effective steps to prohibit production of these gases. Of the gases actually used in the World War several are extensively used in peace. These include such useful materials as chlorine, bromine, phosgene, chloropicrin and hydrocyanic acid gas, with others which are likely to come into use at an early date. It would only be possible to restrict production of such gases by a universal international regulation of chemical industry and commerce, giving to each and all nations the means to provide for its own needs but no more."

"Chemical warfare gases which are not used in peace time have a chemical constitution akin to that of materials in common use. The result is that it would be possible during a period of strained relations to prevent a potential enemy, should he so desire, in spite of agreements and the threat of very severe penalties under international law, from manufacturing gas on a large scale only if limitations of the nature of those mentioned in the preceding paragraph were placed on peace industries, such as the dye industry."

Dr. Herty said that the wood distillation industry is "stripping itself for the fight" with German producers of synthetic methanol. He read a letter from Secretary Hoover who, in discussing the question of banking credits and the possibility of the destruction of the American output of wood alcohol, assured the manufacturer that "the industry will go on." Dr. Herty said he had assurances that all possible aid would be given the industry by Government agencies.

"Information reaching me," went on Dr. Herty, "is to the effect that graft in the sale of dyes is increasing. Regardless of where this evil may lie or be most pronounced, it is the duty of this association, and of each constituent member, to use every influence possible to root out the evil."

"We can render no greater service to our commercial life than to throw our entire influence into the scales against such abominable practices. We are seeking to build an industry worthy of this country and we must face our responsibilities for the uprooting of every obnoxious weed."

Other speakers included Salmon W. Wilder, president of the Merrimac Chemical Co., Boston, who described conditions in the chemical industries of Europe, having recently returned from an extensive trip abroad.

C. C. Concannon, chief, Chemical Division, Department of Commerce, also addressed the meeting.

In the golf tournament, Miller Fargo of the Calco Chemical Co., won the prize for low gross. Ernest Klipstein, of E. C. Klipstein & Co., won the low net prize. A. H. Pierce of Grasselli Dyestuff Corp. won second low net and John Boyer of the Mathieson Alkali Works third.

In a ball game on Friday, Dr. Herty distinguished himself by several spectacular plays in the field. As captain of one of the teams, he later benched himself for weak hitting and retired to the trees with a bottle of ginger ale. B. R. Tunison and C. C. Concannon vied with each other for the long distance hitting record.

A quartet, composed of "Doc" Summers of Noil, Black of Kalbfleisch, Hotchkiss of Hooker, and McKenna of Commercial Solvents, refused golf as too tame and played seven sets of tennis in one day. None of them went to the hospital.

The price of acetic acid is liable to be influenced by the quantity of vinegar which Milton Kutz used as a sunburn cure. Drastic, but quite effective, Mr. Kutz reported.

Dr. Chambers of Du Pont gave an interesting exhibition of card tricks. His most effective and popular trick was to hold three aces when his admiring audience each held two pair.

P. M. Dinkins drove to the meeting from New York, and, according to those who rode with him, wasted very little time along the Motor Parkway.

Mrs. Ralph Dorland and Mrs. Harrison Wilmot represented the ladies' division of the industry present at the full meeting. Mrs. F. F. Summers and her two daughters arrived at Bellport on Saturday.

Impromptu receptions were held in the main ballroom of the Bellport Hotel on Thursday and Friday evenings. Many of the gentlemen present discovered that three plums are worth more than two lemons.

Time: 3 A. M. Place: Lawn on the Grass Patch Hotel. Voice of well-known alkali sales manager from within: "The old army game, with the cockeyed jacks wild!"

A group sailed across the Great South Bay for surf bathing on Saturday morning. C. C. Concannon is reported to have become too frisky with the ocean and to have been thrown for a ten year loss by a large wave.

Quite a number who played in the golf tournament did not turn in their scores. For the weak hitter off the tee, the course of the Bellport Country Club is a snare and a delusion. It only looks easy from the sidelines. One player claimed that he had paved the first nine holes with new balls before he quit exhausted. Most of the caddies looked like members of the cradle roll of a local Sunday school.

The manufacture of anthraquinone from phthalic anhydride which is to be made by oxidizing naphthalene in the vapor phase is reported to be anticipated by the French Kuhlmann Combine due to the shortage of anthraquinone in France arising from the German refusal to supply this important intermediate because of the cancellation of the agreement between the Badische and the former Compagnie Nationale des Matieres Colorantes by the Kuhlmann Combine.

The Heavy Chemical Market

Current Spot Quotations for Heavy Chemical pages 1862-1880

WHITE AMMONIUM CHLORIDE ADVANCES

Low Priced Material Cleaned Out—Arsenic Very Weak
—Copper Sulfate Steadier on Better Demand—Barium
Salts Easy—Bleach Firm—Sodium Nitrate Steady—
Sodium Prussiate Unchanged—Acetone in Heavy
Demand—Spot Trading Dull

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Ammonium Chloride, white, 1/2 ctb.

Declined

No declines

Trend of the Market

	Today	Last	Last	Last	War	Pre-
	Week	Month	Year	Peak	War	War
Acetic Acid, Glacial ..lb.\$	.10	.10	.10	.11	.19	.07
Sulfuric Acid, 66 deg. ton	14.00	14.00	14.00	14.00	35.00	20.00
Ammonium Sulfate, 100lbs.	2.75	2.75	2.75	2.60	7.50	2.65
Bleaching Powder, 100lbs.	1.90	1.90	1.90	1.90	9.30	1.90
Copper Sulfate, c/1 100lbs.	4.55	4.55	4.65	4.65	20.00	4.50
Potash, Caustic, Imp. ...lb.	.07 3/4	.07 3/4	.07 3/4	.06 3/4	.87	.08
Soda Ash, 58 p.c....100lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c.100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate..lb.	.08 3/4	.08 3/4	.08 3/4	.08 3/4	.65	.06 3/4
Sodium Prussiate, Imp. ..	.10 1/2	.10 1/2	.10 1/2	.09 1/2	1.25	.18
Average	2.916	2.916	2.926	2.912	10.79	2.99

An advance in prices for white imported ammonium chloride due to a gradual absorption of low priced material featured the market for industrial chemicals during the week. This is another indication of the low stocks of imported products that are obtainable on spot although the general impression has been that supplies are large. The only reason that prices on spot imported products are below replacement costs in many instances is because of the very slight demand for goods from other than domestic sources. Many products that have recently been in large supply on spot are practically unobtainable owing to shipment prices being above domestic prices. At the present time it is impossible to import potassium chlorate, sodium chlorate or oxalic acid in competition with domestic makers. Sodium prussiate cannot be imported without putting up a bond pending the investigation as to the reported subsidy. Imported potash alum recently firmed up due to a cessation of importing caused by a flooded market and spot stocks are very small. Arsenic continues weak and buyers are still bidding below the mark in an effort to determine whether bottom has been reached. Reports of lower domestic prices have greatly undermined imported arsenic. Copper sulfate is in better demand although low-priced sellers remain in possession of sufficient material to depress the market.

Acetone—Heavy demand continues to be reported and fermentation and acetate of lime products are firm and unchanged in price.

Acid Acetic—Makers report a steady movement of supplies and quote recent prices.

Acid Formic—Market steady and supplies are not large. Quotations remain unchanged.

Acid Oxalic—Imported material firm at 11c@11 1/4c lb.

with offerings light. Domestic quotations are firm and unchanged at 10 3/4c@11c lb. at works or New York.

Alum Potash—Firm condition continues and prices are showing no variation in any quarter. Imported stocks are small.

Ammonium Chloride—Imported white firmer owing to low priced sellers being sold-out. Goods are not obtainable under 5 1/2c@5 3/4c lb. Imported gray remains at 6 1/2c@6 3/4c lb.

Arsenic—Very weak condition reported and the situation shows but little change from last week. Buyers are still bidding below the market and are apparently trying to determine whether bottom has been reached. Bids are in the market at 4c lb. and most holders are unwilling to shade 4 1/4c lb. Domestic prices are lower at 5 1/2c lb. delivered. A lot of domestic material was reported sold at 4 1/2c lb. but this could not be confirmed.

Barium Salts—Although odd lots of chloride are reported to have been sold at lower prices the market is being fairly well maintained at \$60.00 ton. Stocks of imported and domestic products are large and no sustained improvement is anticipated for some time. Carbonate is steady at \$48.00@50.00 ton for spot and shipment.

Bleaches—Bleach continues firm in all directions and makers are reporting a steady movement of all supplies. Chlorine is in heavy demand and quotations are firm and unchanged.

Copper Sulfate—Slightly firmer condition noted in this market due to an increased demand over the week. Low priced sellers, however, are still in possession of sufficient to depress the market and carlots remain available at \$4.30 100 lb.

Copper Carbonate—Quotations are firm at 16 3/4c@17c lb. and a steady movement of supplies is reported by makers.

Epsom Salt—Imported material remains available at \$1.23 100 lb. owing to poor demand. Domestic makers report a heavy demand and prices are firm.

Potash Caustic—Market firm and imported and domestic products are in small supply at unchanged prices.

Potassium Prussiate—Market steady at 18 1/2c@19c lb. with spot supplies light.

Soda Ash—Contract withdrawals show only a slight seasonal decline and the market is very steady.

Soda Caustic—Heavy demand reported by makers who are maintaining their schedules without difficulty.

Sodium Nitrate—Spot material remains steady at \$2.57 1/2 100 lb. and a slightly better demand is reported. Shipments for July are quoted at \$2.44; and for June at \$2.45.

Sodium Prussiate—Domestic makers are the only factors in possession of any supplies and their quotations remain at 10 1/2c@10 3/4c lb. as to quantity. Shipment of imported material is not offered in any quarter.

Sodium Silicofluoride—Prices firm and unchanged from holders of stocks and a fair demand is reported.

Sodium Sulfide—No change from the firm condition noted in this market and prices remain the same from all makers.

Heavy Chemical Notes

Terminal Supply Co., has been awarded a government contract for 60,000 lbs. soda ash at \$2.27 100 lbs.

N. L. Fremed, formerly of M. Gottesman & Co., New York, is now connected with the sales force of Pfaltz & Bauer, 300 Pearl st., New York.

California Zinc Co., Cleveland, which operates under a Delaware charter, has received authority to increase its capital stock from \$310,000 to \$2,850,000.

Henry Stiller, sales manager of the Superfos Co., New York, heavy chemical department, is on a motor tour through the Adirondack Mountains and Canada with his family.

Louisiana Chemical Co., Baton Rouge, La., will erect a plant reported to cost in excess of \$350,000, with machinery. The company is associated with Texas Chemical Co., Houston, Tex., manufacturer of acids and fertilizers.

The National Fertilizer Association has established headquarters in Washington, with branches in Chicago, Atlanta and Shreveport. The association's program includes study of soil improvement, traffic activities, improved trade practices and standardization.

American Smelting & Refining Co. has declared a quarterly dividend of \$1.50 per share on common stock, payable August 1 to stockholders of record on July 10, and \$1.75 per share on preferred stock, payable Sept. 1 to stockholders of record on August 7.

Newport Chemical Works, Passaic, N. J., is establishing an experimental plant for research work along the lines of development and testing of flotation materials. J. C. Williams, formerly superintendent of the Colorado School of Mines Experimental Station will direct the new work.

George Ashworth, formerly connected with the New York sales office of the Dow Chemical Co., has recently become associated with the chemical sales division of the Brown Co., Portland, Me. Mr. Ashworth's headquarters will be at the office of the Brown Co., Woolworth Building, New York.

Epsom salts of 95 per cent purity is now mined at the rate of about 30 tons per day from what is claimed to be the largest deposit in the world located near Tonasket, in the vicinity of Oroville, Wash. The material is quarried with the extensive use of dynamite and handled at the reduction plant at Oroville.

Gibson-McCabe Co. has been formed in Charleston, S. C., with offices in the People's Building, for the importation and merchandising of fertilizer materials and chemicals. The founders are W. Gordon McCabe, president of McCabe Fertilizer Co., and F. Swift Gibson, who has connections with New York, Philadelphia and Chicago markets.

Hollingsworth & Peterson, Philadelphia, who have been selling agents for Solvay Process Co. and Joseph Turner & Co. for more than 40 years, will dissolve on June 30. Wing & Evans will open a Philadelphia office for the sale of Solvay products and will take over the entire force of the retiring company. Joseph Turner & Co. will cover the territory from their New York office.

DU PONT PAYS 40% STOCK DIVIDEND

(Special to DRUG & CHEMICAL MARKETS)

Wilmington, Del., June 23—E. I. duPont de Nemours & Co. have declared a stock dividend of 40% on the common stock, payable Aug. 10 to stock of record July 27. Directors have also authorized the call for the retirement of the entire outstanding balance of the 7½% bonds on Sept. 1 at 106 plus accrued interest.

The dividend action was taken in order to capitalize an increase of about \$36,000,000 in surplus brought about by the revaluation by the duPont company of its interest in General Motors Corp. common stock, heretofore carried at \$55,589,106, equivalent to \$42.35 per share of General Motors common stock to a new figure of \$70 per share, which corresponds to net assets valued on the books of that company.

There remain outstanding in the hands of the public about \$10,000,000 par value of the ten-year 7½% gold bonds sold May 1, 1921, to provide for funds in most part in the financing of an important addition to duPont company's holdings of General Motors stock.

BADISCHE STATES METHANOL CLAIMS

In a statement issued by Badische Aniline und Soda Fabrik it is claimed that the recent publication of the results of the work of the French chemist, Patart, on the synthetic manufacture of methyl alcohol from carbon monoxide and hydrogen was the first time that the process was made known to the company or to the public in general. The technical press states that the French process is closely related to the German method of manufacture.

As far back as 1913, it is claimed, experiments were started by the German company on the catalytic hydrogenation of carbon monoxide under pressure. The process was patented by the company, but further exploitation was impeded by the war since the development of ammonia synthesis was then of primary importance. Political unrest following the war delayed further work, but finally the industrial synthesis of methyl alcohol was accomplished.

In 1922 Patart's patent (French patent 540,543) appeared which, Patart has since declared, was not founded on experiment but on the results of similar considerations that led to the German company's investigations and conclusions of 1913. Patart's patent has no real influence on the German process since none of the catalysts mentioned are suitable for the industrial production of methyl alcohol. The German company's comprehensive and systematic investigations with suitable contact masses, suitable material for reaction vessels, and suitable gases were carried out in 1922 and 1923. The translation of the process to the works scale was accomplished in the middle of 1923. Patart commenced his small experimental investigations at the beginning of 1923 and after he attempted to use the catalysts proposed in his own patents he decided to employ the contact masses that are used in the German process.

The German company further states that any attempt to attribute priority to Patart is misleading since it was at their plant that satisfactory catalysts were first discovered and suitable conditions were worked out that made possible the industrial synthesis of methyl alcohol.

Hampton Hanna, of the B & W Co., Elizabeth, N. J., announces the arrival on Sunday, June 7, of a son, William Wilson Hanna, at his home in Westfield, N. J.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 1862-1880

HEAVY DSMAND FOR BENZENE CONTINUES

Distributors Firm at Advance—Solvent Naphtha Sold-Up—Toluene Offerings Light—Pyridine Lower—Naphthalene, Cresylic Acid and Phenol Quiet but Firm—Intermediates Dull—Prices Firm on Entire List

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

No. Advances

Declined

Pyridine, 10c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....gal.	.25	.25	.24	.25	\$1.10	\$.25
Naphthalene flake .....lb.	.05	.05	.05	.05½	.16	.08
Phenol Spot .....gal	.24	.24	.24	.28	1.50	.08
Toluene .....gal.	.26	.26	.26	.26	..	..
Aniline Oil .....lb.	.16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine ..lb.	.35	.35	.35	.35	1.28	..
Benzaldehyde .....lb.	.70	.70	.70	.75	..	..
Betanaphthol .....lb.	.24	.24	.24	.26	1.50	.08
Dimethylaniline .....lb.	.32	.32	.32	.36	1.30	..
Paranitroaniline .....lb.	.58½	.58½	.58½	.70	1.58	.18
Average .....	.0316	.0316	.0315	.0343	..	..

The demand for intermediates has shown no upward turn during the week and makers generally are marking time in anticipation of an active demand which is forecast for August. Prices, however, are being firmly maintained in all quarters on the entire list and efforts to shade the prevailing quotations have been fruitless. Textile quarters are still running on light shades and consequently are consuming minimum quantities of dyestuffs. Dark shades are expected to prevail for the Fall and this will bring a sharp increase in the demand for dyestuffs and intermediates.

A sustained active industrial demand for light oils continues to be reported by distributors and benzene prices are firm at last week's advance. Supplies of toluene and solvent are insufficient to supply the demand and factors are rejecting orders. Cresylic acid, phenol and naphthalene are quiet but prices are unchanged. Pyridine is lower due to low-priced sellers being in possession of material.

Crudes

Benzene—Supplies are obtainable in only one or two quarters and prices are firm at last week's advance. A heavy industrial demand is reported for both grades. With the gasoline market continuing to display its present strength no abatement in the demand is likely to be felt. Quotations for 90% are named at 24c gal. for tanks at ovens, and 29c gal. for drum lots; for pure 25c gal. for tanks at ovens, and 30c gal. for drums.

Cresylic Acid—Market easy and prices are quoted over a wide range according to the quality and strength of the seller. For 97-99% holders name 59c@64c gal., and for 95% dark 55c@60c gal. is quoted.

Naphthalene—Movement continues along routine lines. Makers are unchanged in their quotations and a steady position is being reported.

Phenol—While stocks are of fairly large proportions

makers are firm in their prices which have shown no variation in any direction.

Pyridine—A slight decline in prices was registered over the week and at the close holders were offering spot goods at \$4.40@\$4.50 gal. drums included, and shipment was named at \$4.30@\$4.35 gal. Buying has been sustained and the low prices are due to recent imports by low-priced sellers.

Solvent Naphtha—Situation shows no change and distributors continue to report inability to accept all orders. Prices are very firm and the market is strong.

Toluene—Distributors are reporting a steady demand for all offerings and the market is quite generally sold-up. Prices show no change.

Xylene—All grades in heavy request and prices are firm at recent figures.

Intermediates

Acid H—Market quiet but firm and makers are naming unchanged prices without exception.

Aniline Oil—A slight movement of supplies is reported by manufacturers who continue to name firm unchanged prices. The higher market for benzene would probably be reflected in higher aniline oil prices if the demand were heavier.

Benzidine—Competition is sharp but makers are unwilling to shade their schedules and are quoting firm unchanged prices in all transactions.

Dianisidine—Demand slight but prices from makers have shown no variation.

Dinitrobenzene—Fair volume reported moving into consuming channels. Prices are firm at recent figures.

Dimethylaniline—Slight routine request reported by makers who continue to quote prices at the recent reduction to 32c lb. for carlots, and 33c@34c lb. for less than carlots.

Meta-nitroaniline—Market very quiet and makers are reporting only a slight routine movement of supplies. Prices are firm and unchanged.

Nitrobenzene—Steady market reported with makers quoting firm unchanged prices.

Ortho-toluidine—Limited supplies are available from time to time at 25c@27c lb. as to quantity.

Para-toluidine—Large stocks remain in makers' hands and only a slight routine demand is reported. Makers, however, are unwilling to shade their quotations without being assured of an outlet for their entire supplies.

Para-nitroaniline—Decreased demand reported due to the quiet market for dry colors. Sharp competition is still reported for the few orders available.

Tolidine—Makers name firm unchanged prices in all transactions and report a fair demand.

Toluidines Mixed—Stocks are of generous proportions but makers are firm at recent figures despite a slight movement.

William A. *Thompson, formerly of Butterworth-Judson Corp., is now connected with the dye, chemical and color department of Sherwin-Williams Co., 292 Madison ave., New York.

HIGHER DUTY ON RAPID FAST DYES

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., June 24—L. C. Andrews, assistant secretary of the Treasury, has sent a letter to the Collector of Customs at New York in connection with the assessment of duties on certain dyes. The Appraiser in New York has, it appears, assessed duty on coal tar products known as rapid fast black, rapid fast blue and rapid fast green, under paragraph 27 of the tariff act "in the belief that they were intermediate products requiring further manipulation before they were ready to use as colors, but an investigation shows that the products mentioned are used in their imported conditions as colors in the same manner as all other colors are used, and are, therefore, properly dutiable as colors under paragraph 28 of the said act."

The Secretary in his communication to New York says: "In view of the Appraiser's statement, and in accordance with your recommendations, you are hereby directed to assess duty upon all of the colors above mentioned imported or withdrawn from warehouse thirty days after the publication of this ruling in the weekly Treasury Decisions, under provisions of paragraph 28 of the present tariff act."

Pontamine Scarlet B is a new dyestuff announced by E. I. duPont de Nemours & Co. It yields brilliant bluish shade scarlets and is suitable for all classes of cotton goods, such as raw stock, yarn and pieces. Due to its excellent solubility it may be employed in a padding machine. It is also particularly adapted to use on pure silk, giving bright shades from a soap bath broken either with acetic or mixed acid, or from a neutral bath. It may be employed in the garment dyeing trade as a self color as well as a base for such shades as bright reds, bordeaux and wine shades.

Newport Chemical Works have distributed a leaflet describing two new dyestuffs known as Newport Anthrene Blue 3GX and Newport Anthrene Black C Paste. Anthrene Blue 3GX produces a pleasant greenish blue shade and it is of excellent fastness to light, boiling soap, rubbing, alkalies, cross-dyeing and steaming. Anthrene Black C Paste is a direct dyeing vat black that does not require a special chlorine treatment to develop its shade. It has the excellent fastness qualities of this class of dyestuffs. It is not suitable for printing.

National Brilliant Blue B, a new product that National Aniline & Chemical Co. is offering to the trade, is adapted to the dyeing not only of worsted fabrics but for wool and silk mixtures when the wool and silk are to be of one shade. It is also well suited for shading in combination with other dyes for wool and for after treatment in combination with chrome colors. This color is claimed to possess good fastness to washing, fulling, decatizing, and excellent fastness to stoving and perspiration, being especially suited to dyeing blues and relative shades on dress materials.

The Farbwerke vormals Meister Lucius & Bruning A. G. in Hoechst-on-Main, Germany, reported net profits for last year of 14,709,861 marks and paid a dividend of 8 per cent on the original shares and 3½ per cent on the preference shares, despite serious hampering by foreign imposts. The Badische Anilin und Soda Fabrik A. G. in Ludwigshafen, reported net profits of 14,880,440 marks, and paid a dividend of 8 per cent on the 176,000,000 marks original shares.

ITALIAN DYE MARKET ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, June 8—War reparation dyes are selling well although prices hold at the same level. Certain colors needed for wool, cotton and silk dyeing, still are lacking, and local producers are benefiting by the situation, and doing a very fair business. Quotations are as follows per 100 kilos: Naphthol yellow, 4,000 to 6,500 lire; auramine, 6,000 to 7,000 lire; orange 11, 1,700 to 2,000 lire; nigrosine, water soluble, 2,800 to 3,500 lire; nigrosine, soluble in alcohol, 3,000 to 3,800 lire; sulfur black, 700 to 1,100 lire; acid black, 1,600 to 2,300 lire; direct black, 1,700 to 2,400 lire; chrome black, 2,200 to 2,800 lire; methylene blue, 7,500 to 9,000 lire; direct blue, 1,600 to 2,000 lire; sulfur blue, 2,000 to 2,400 lire; malachite green, 7,000 to 9,000 lire; acid green, 6,000 to 7,000 lire; direct green, 2,000 to 2,600 lire; Bismarck brown, 2,800 to 3,200 lire; Magenta crystals, 7,000 to 8,000 lire; Methyl violet, 6,500 to 8,000 lire.

Genoa, June 1—Dyestuffs are in fair demand for leather, fur, paper and yarn and textile dyeing. Quotations are as follows per kilo:—Nigrosine crystals, 22 to 23 lire; direct black, 25 to 28 lire; methylene blue, 90 to 100 lire; auramine, 70 to 80 lire; Magenta crystals, 80 to 90 lire; liquid fustic extract, 7 to 7.50 lire; logwood extract, 6.50 to 7.50 lire; hematine crystals, 10 to 12 lire.

AMERICAN DYE PRICE RULES

Decision was rendered in the appeal to review a decision in appraisement of hydron pink paste FF entered by Kuttroff, Pickhardt & Co. which was appraised by officials of the company at its American selling price for imported products under subdivision (d) of section 402 of tariff act of 1922 and later appraised in accordance with subdivision (f) of the same section as a product manufactured in this country since it was found to compete with sulfanthrene pink FF paste.

In the former decision rendered by Judge Brown the constitutionality of subdivision (f) was questioned and the point was raised as to what value should determine the tariff in accordance with subdivision (f). The Board of General Appraisers decided that subdivision (f) did not contravene section 8, clause (1) of the constitution and reference on this point was made to the decision of Judge Smith June 28, 1924. It was also decided that subdivision (f) referred strictly to the American product and that therefore the determination of the principal market is determined entirely by the sale of the American product, and the determination of the usual wholesale quantities must be confined to a consideration of the sales that occur in that market.

CANADA'S DYE IMPORTS FLUCTUATE

Imports into Canada of aniline and coal tar dyes during March were as follows: From Britain, 28,506 lbs., value \$12,410; United States 129,186 lbs., value \$96,010; Germany 55,093 lbs., value \$39,068; Netherlands, 30,562 lbs., value \$28,616; Sweden, 1,170 lbs., value \$2,253; Switzerland 27,091 lbs., value \$13,067; other countries 6,277 lbs., value \$2,985; total 277,885 lbs., value \$193,409; compared with imports in March, 1924: From Britain 25,640 lbs., value \$10,972; United States 182,538 lbs., value \$135,855; Germany, 14,184 lbs., value \$9,424; Netherlands 15,259 lbs., value \$14,891; Sweden 13,578 lbs., value \$10,204; Switzerland 38,458 lbs., value \$21,559; other countries 9 lbs., 25; total 289,660 lbs., value \$202,930.

The Oil Market

Current Spot Quotations of Oils, Greases, pages 1880-1881

SOYA BEAN OIL AND TALLOW ADVANCE

Firm Foreign Market Being Felt on Spot Goods—Cottonseed Oil Up Again—Coconut Oil Higher for Ceylon and Lower for Manila—Chinawood Oil Down—Linseed Oil Lower—Stearine Oleo Up—Menhaden Oil Declines—Other Fish Oils Unchanged

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Coconut Oil, Ceylon, tks., $\frac{1}{2}$ c lb. Soya Bean Oil, $\frac{1}{2}$ c lb.
Cottonseed Oil, P. S. Y., $\frac{1}{2}$ c lb. Stearine, Oleo, $\frac{1}{2}$ c lb.
Tallow, City Extra, $\frac{1}{2}$ c lb.

Declined

Chinawood Oil, $\frac{1}{2}$ c lb. Linseed Oil, 4c gal.
Coconut Oil, Manila $\frac{1}{2}$ c lb. Menhaden Oil, 2c gal

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	War
Cod Oil, N. F.....gal.	\$62	\$62	\$62	\$64	\$1.26	\$2.64
Degras, American, bbl..lb.	.04%	.04%	.04%	.04%	.23	.03%
Lard No. 1.....gal.	.85%	.85%	.85%	.79	2.90	.92
Menhaden, crd. tks., gal.	.55	.55	.55	.50	1.20	.33
Neatsfoot, 20 deg. c.t.gal.	1.22%	1.22%	1.22%	1.46	3.45	.95
Ped Oil, distilled.....lb.	.12	.12	.12	.09	.17	.07
Stearic Acid, T. P.....lb.	.16%	.16%	.16%	.13%	.33	.12
Coconut, Ceylon, bbls..lb.	.10%	.10%	.10%	.09	.30	.14
Cottonseed, crude, tanksb.	.09%	.09%	.09%	.08%	.25	.08
Linseed.....gal.	1.04	1.08	1.06	.94	1.85	.57
Olive, denatured.....gal.	1.15	1.15	1.15	1.21	4.50	1.05
Peanut, refined.....lb.	.15	.15	.15	.15%	.30	.08
Soya Bean, bbls.....lb.	.13	.12%	.12%	.12	.19%	.07
Average.....	4.80	4.84	4.82	4.82	5.92	1.56

Underlying strength in the face of a slight routine consuming demand continued to characterize the market for fatty oils during the week. Further advances were recorded in a number of items and others were maintained at recent levels. Chinawood oil reacted downward after an active week although factors are anticipating another upward movement due to the continued unsettled situation in the Orient. Linseed declined rather abruptly owing to lower seed markets and consumers bought in slightly greater quantities owing to the lower prices. Olive oil foots are in an unsettled state with spot offerings quoted at unchanged figures, but these quotations are being slashed when goods arrive on the dock. Lower exchange has brought about slightly lower shipment figures.

Animal oils remain firm and lard is still quoted at high prices. A steady demand for all oils and greases is reported and the market is generally very firm. The export demand continues heavy for the various products. Tallow advanced during the week due to a heavy demand from soap makers who were waiting for white grease to go low enough so that they could afford to use it.

Vegetable Oils

Castor Oil—Quotations remain at recent figures and factors are reporting only a slight routine demand.

Chinawood Oil—Prices have reacted downward as most consumers have covered their requirements as far ahead as they care to at present figures. Market was very active during the week and buying was heavy. Factors are anticipating another advance due to continued unsettled condition abroad. Quotations on tanks

at Pacific Coast are given at 12c@12 $\frac{1}{2}$ c lb.; tanks at New York nominal at 12 $\frac{1}{2}$ c lb.; barrels New York 13 $\frac{1}{4}$ c@14c lb.

Coconut Oil—Ceylon is higher in tanks at 9 $\frac{1}{2}$ c lb. owing to smaller supplies on spot. Manila is lower in tanks at 8 $\frac{1}{2}$ c@9c lb. due to rather large stocks and a slight request.

Corn Oil—Market is quite steady and prices are being maintained in all quarters at recent figures.

Cottonseed Oil—Crude remains quiet but very firm at 9 $\frac{1}{2}$ c lb. Prime summer yellow advanced slightly over the week and the market is firm. Closing quotations are named at 10 $\frac{1}{2}$ c@11 $\frac{1}{4}$ c lb. as to position from June to Jan. with Sept. and Oct. bringing the highest prices.

Linseed Oil—Prices are 4c gal. below last week's quotations owing to declines in the seed market brought about by a general decline in grain markets. Consuming interest is reported to be slightly better at the lower figures. Crushers quote spot tanks of shipment including Aug. at 98c gal.; carlots of barrels \$1.04; less carlots \$1.07. Seed markets opened this week at \$2.34 for July at Winnipeg; Oct. \$2.40; Dulut was named at \$2.63 for July; \$2.46 for Sept.; \$2.40 for Oct.; Minneapolis \$2.62 for July; \$2.44 for Sept.; Buenos Aires \$2.12 for July.

Olive Oil—Market is quiet and prices are unchanged. Only a fair demand is reported and spot stocks are quite large.

Olive Oil Foots—Although most importers and dealers are quoting unchanged prices of 8 $\frac{1}{2}$ c@8 $\frac{3}{4}$ c lb. offerings have been made at 8 $\frac{1}{2}$ c lb. ex-dock and the market is generally unsettled. No consuming demand is noticed and consumers are continuing to unload their heavy holdings at low prices. Lower exchange is expected to bring lower shipment prices and this will probably drive spot prices down.

Palm Oil—Quotations on Niger remain at 8 $\frac{3}{4}$ c@9c lb. and the market is firm at that price. Lagos quotations are likewise firm at 9 $\frac{1}{4}$ c@9 $\frac{1}{2}$ c lb.

Palm Kernel Oil—Fair quantity of material remains on spot and quotations are unchanged at 10 $\frac{1}{4}$ c lb. Dealers are reporting fair activity in this material.

Rapeseed Oil—Holders of stocks continue firm in their prices and are unwilling to shade 99c@\$1.00 gal. for spot goods. Shipment is obtainable at slightly lower figures.

Soya Bean Oil—Higher prices were reached during the week owing to higher replacement values being approached as spot stocks diminish. Quotations are given at 11c lb. for tanks at Pacific Coast; 12 $\frac{1}{2}$ c lb. for tanks at New York; and 13c lb. for barrels.

Animal Oils

Greases—Market firm on all grades and prices show no variation from makers.

Lard Oil—All grades in heavy demand at recent quotations.

Neatsfoot Oil—No change in prices on any grade reported by makers who are reporting a steady demand for all offerings.

Stearine Oleo—Higher prices named by makers owing to a heavy movement of supplies and smaller stocks on hand. Quotations in all quarters are firm at 13c lb.

Tallow—City extra higher at 9½c lb. owing to heavy buying for soap making caused by the higher market for white grease. Quotations on edible are unchanged at recent advances to 10c@10¼c lb.

Fish Oils

Cod Oil—Market quiet but steady with the consuming only fair. Holders of stocks are maintaining prices at unchanged figures.

Menhaden Oil—Factors have reduced prices 2c gal. and now quote 76c@79c gal. for light pressed oil; 79c @79c gal. for light pressed oil; 79c@80c gal. for light bleached; and 81c@83c gal. for extra bleached. Blown is lower at 10½c lb.

CHEMICAL DEALERS PLAY GOLF

A group of New York and New Jersey chemical dealers were the guests of C. R. Burnett of the American Oil & Supply Co., Newark, N. J., at the Forest Hills Country Club, Soho, N. J., on June 16 for luncheon and golf. About a dozen men played. The best low gross score was turned in by Edward F. Sterk of the Grasselli Chemical Co., New York, who shot an 83. H. Gordon MacKelcan of Innis, Speiden & Co., New York, was second with 85, and Howard Sherrell of Welch, Holme & Clark, third with 89.

The Java market ruled firmer in April owing to the advance of copra prices. Prices were quoted by local oil mills at florins 8.40 up to florins 8.50 per tin, free on rail at Kediri, during the second half of the month. Shipments of coconut oil from Java for the first quarter of the current year totaled 2,937,000 liters, compared with 1,463,000 liters for the corresponding period of 1924 and only 26,000 liters for the first three months of 1923. The bulk of the oil was shipped to Great Britain.

At the suggestion of the Naval Stores Committee on Government Contract, which recently conferred with Secretary Hoover, the Chemical Division has arranged for a periodic cable service from Bordeaux, via Paris, by means of which American producers will be in immediate possession of vital facts affecting the French Naval Stores market.

Keystone Varnish Co., Brooklyn, N. Y., is to declare a stock dividend of 1,000 per cent increasing the capital stock of the company from \$36,000 to \$360,000 due to earnings that have accumulated from year to year. The stock is closely held by the directors and executives of the company.

Carpenter-Morton Co., makers of paints, varnishes and enamels, Boston, celebrated the 85th anniversary of the founding of the company at Lake Pearl Amusement Park, Wrentham, Mass., on June 17.

M. Feigel & Bro., Inc., has been awarded a government contract for 300 lbs. white shellac at 78c lb. and 1,500 lbs. orange shellac at 74c lb.

J. T. Lewis & Bro., have been awarded a government contract for 10,000 lbs. yellow ochre at \$9.10 100 lbs.

OLIVE OIL PRICES ADVANCE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, June 8—The demand for olive oil for export is strong, and prices have risen since the reductions recently reported owing to much higher foreign exchange. Quotations are as follows per 100 kilos:

Riviera Ponente fine new, lire 900 to 915; Bari extra, lire 935 to 950; Bitonto extra, lire 940 to 950; Molfetta extra lire 940 to 950; Calabria extra, lire 910 to 920; Sardegna fine 900 to 910; Toscana fine, lire 920 to 930; Lecce fine, lire 910 to 920; Abruzzi fine, lire 900 to 920; refined olive oil, lire 890 to 900.

Quotations for foreign olive oils, c.i.f. Genoa, are as follows per 100 kilos: Tortosa olive oil, pesetas 280 to 285; Argona olive oil, pesetas 270 to 275; Borjas olive oil, pesetas 270 to 275; Andalusian olive oil, pesetas 245 to 250; Malaga olive oil, pesetas 225 to 230; Refined Spanish olive oil, pesetas 245 to 250; Tunis olive oil, first quality, francs 710 to 720; second, quality, francs 690 to 700.

Duz Co. reports sales for April, 1925, of \$174,722, against \$64,159 for April, 1924, and \$16,892 for April, 1923. Sales of the first four months of 1925 were \$598,428, against \$206,260 for the corresponding period of 1924, and \$48,773 for 1923. A special stockholders meeting has been called for July 1, to act on a proposal to eliminate the difference between founders' shares and class A shares by exchanging all outstanding stock certificates for certificates of a new class A stock, share for share, the new stock is to have full voting power, one vote for each share. The voting power at present is vested in the founders' shares.

Manufacture and sales of turpentine cups used for collecting crude turpentine from Southern pine trees has decreased 60 per cent in two years, according to the Department of Agriculture. During 1924-1925 season only 10,059,000 cups were made and sold, which is 3,189,000 less than the total for 1924-1925, and 14,768,800 below the total for 1923-1924. The real reason for the decline is difficult to determine although low prices of rosins during 1924-1925, bringing about a smaller production, and the practice of retreating old cups have lessened the demand for new ones.

By a recent decree, the export tax on olive oil, provided the oil is of Spanish registry and is shipped in containers bearing clearly a national trade-mark, was lifted, effective June 1, according to advices received by the Commerce Department from Madrid. Olive oil exported in containers without these marks will pay the regular export tax provided for by the customs tariff. This decree further provides for the limitation of the importation of oleaginous seeds to 40,000 tons, of which 23,400 tons may be brought in between June 1 and December of this year.

Rates charged on Chinawood oil in carlots from Seattle and Tacoma, Wash., and San Francisco to Cleveland, O., have not been found unreasonable by the Interstate Commerce Commission. No damage was shown to have resulted from any undue prejudice which may have existed. A refund of over-charges was directed and the complaint dismissed. The decision was rendered by the Commission in docket 15,176 of the Glidden Co. against the Erie Railroad.

Louis Leavitt, paint manufacturer, Brooklyn, N. Y., has been ordered by the Federal Trade Commission to discontinue labeling products that contain less than 50 per cent of lead sulfate by weight as "combination white lead."

Miscellaneous Raw Materials

Heavy Chemicals 1862-1880; Tan and Dyestuff, 1862-1882; Fatty Oils 1880-1881

STARCHESAND DEXTRINS TEND EASIER

Demand Smaller and Raw Materials in Weaker Position—Prices As Yet Show No Change—Ground Sumac Higher, But Extract Unchanged—Organic Ammoniates Strong, But Not Active

PRICE CHANGES IN NEW YORK (Stock in First Hands)

Advanced	
Blood, So Am., 15c unit	Tankage, NY and So Am 10c unit
Copper, 1/4c lb.	Tin, 1/4c lb.
Fish Scrap, 10c unit	Rosin: N, 10c 280 lb.
Nitrogenous Material, 10c unit	WG, 15c 280 lb.
Sumac, ground, \$5 ton	WW, 10c 280 lb.
Declined	
Ethylideneaniline, 10c lb.	Rosin: B, 40c 280 lb.
Lithopone, 1/4c lb.	D, 15c 280 lb.
Zinc Oxide, Am Process, 1/4c lb.	E, 10c 280 lb.
	F.G.H, 60c 280 lb.
	I, 55c 280 lb.
	K, 80c 280 lb.
	M, 35c 280 lb.

Just at the moment, demand for raw materials from textile mills, rubber, glass, paper, and allied industries shows somewhat of a recession. Although the textile trade is not buying from spot stocks, contract deliveries continue up to normal. Several chemical houses who do considerable with the textile mills, have stated that they look for a material expansion in the cotton and silk business later this Summer, and consequent better demand for chemicals and dyestuffs. Some of the rubber works are doing better, and with the present high price of crude, reclaiming operations are reported starting up again. An easier undertone is noted in starches and dextrins although no change in price is reported. Raw

materials are weaker and demand has been slack. Ground sumac is higher, but the extract remains unchanged. Ammoniates for fertilizer trade are strong, but demand is not active.

ACCELERATORS

Diphenylguanidine is moving in a large way at 95c@98c lb. Diethyl-ortho-tolyl-guanidine is steady at recent cut to \$1.10@\$1.13 lb. Ethylideneaniline is quoted lower by makers at 62c@65c lb. Hexamethylene is unchanged at 82 1/2c lb. Triphenylguanidine is firm at 82 1/2c lb. Vulcone is named at recent reduction to 75c@79c lb.

ALBUMENS

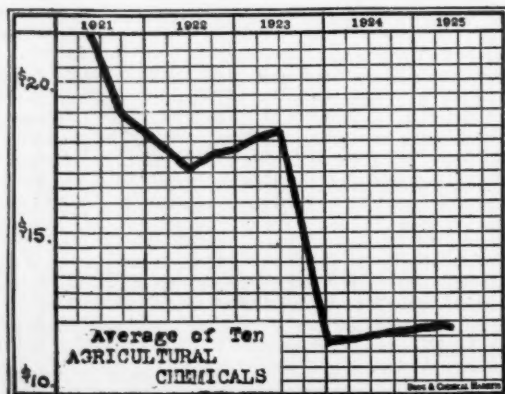
The market for albumens continues to occupy a strong position, due rather to the conditions at primary sources than to any strength in the local market. Demand is fair but not good while stocks are none too good. Egg albumen occupies a particularly strong position because of the situation in China and the dropping out of competition of frozen eggs. It continues to be quoted at \$1.20@\$1.25 lb., with blood at 48c@50c and vegetable at 60c@65c lb.

CLAYS AND FILLERS

No change has taken place in this market with China clay, barytes, blanc fixe, whitening and talc, all quoted at unchanged prices. Large volumes are moving into trade in a routine way, principally by way of filling contracts made at the beginning of the year. New business is normal and little activity is reported in that direction.

Agricultural Chemicals

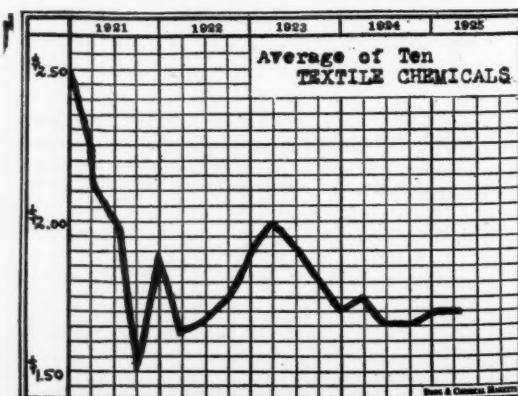
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.90	\$14.00	\$14.00	\$55.00	\$30.00
Ammonium Sulfate, 190lbs.	2.95	2.95	2.98	2.70	7.75	2.65
Arsenic.....lb.	.04 1/4	.04 1/4	.05	.08 3/4	.18	.04
Copper Sulfate.....160lbs.	4.60	4.60	4.70	4.65	20.00	4.05
Paris Green.....	.19	.19	.19	.30	.50	.11
Potash Murate, 90% ton.	34.55	34.55	34.55	31.10	...	...
Potash Sulfate, 90%..ton	45.85	45.85	45.85	41.27	440.00	48.07
Phosphate, Acid, 16%..ton	10.10	10.10	10.10	7.50	21.00	15.00
Phosphate Rock, 68%.....	2.50	2.50	2.50	2.25	11.00	3.00
Sodium Nitrate.....100lbs.	2.57 1/4	2.57 1/4	2.55	2.62	5.00	1.90
Average.....	11.726	11.726	11.734	10.634	103.50	13.84



INDUSTRIAL CHEMICAL SECTION

Textile Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid, Acetic, 28%.....	\$3.00	\$3.00	\$3.00	\$3.12	\$17.00	\$1.50
Acid, Oxalic.....	.10 1/4	.10 1/4	.10 1/4	.10 1/4	.70	.07 1/4
Bleaching Powder.....	1.90	1.90	1.90	1.90	9.50	1.50
Copper Sulfate.....	4.60	4.60	4.60	4.70	20.00	4.50
epsom Salt, U.S.P.....	2.15	2.15	2.15	2.10	4.25	1.50
Glauber's Salt.....	1.25	1.25	1.25	1.25	2.50	.80
Potash, Caustic, Imp.....	.07 1/4	.07 1/4	.07 1/4	.06 1/4	.87	.12
Soda Ash, 58% wks.....	1.38	1.38	1.38	1.38	1.10	.69
Soda Caustic, 76% wks....	3.10	3.10	3.10	3.10	9.50	1.80
Sodium Bichromate.....	.06 1/4	.06 1/4	.06 1/4	.07 1/4	.45	.04 1/4
Average.....	1.762	1.762	1.762	1.788	4.800	1.25



COLORS AND PIGMENTS

Iron blues continue in sharp competition and quotations of 33c@35c lb. are being shaded in many directions. Greens are unchanged in price although the market is quite easy and makers are anxious for additional business. Chrome yellows remain at 18c@19c lb. but business is being taken in some quarters at lower figures. Lithopone prices have been cut ½c lb. and makers name 5½c lb. for carlots of bags; 5½c lb. for carlots of barrels; 6½c lb. for l.c.l. barrels at works. American process zinc oxide has also been reduced ½c lb. and makers quote bags at 7½c@7¾c lb.; and barrels at 7½c@7¾c lb. English vermilion is firm owing to high quicksilver market but makers continue to name \$1.40@1.45 lb.

DYE AND TAN WOODS

Demand from the tanning trades is fairly good but that from dyers is almost at a standstill. Prices remain practically unchanged except in the case of sumac which is continuing to advance and is now quoted at \$135 ton for the ground and \$150 for the leaf. Myrobalans, wattle, valonia, divi divi and quebracho continue to be quoted at former figures with no change in demand seen at present.

EXTRACTS

With some improvement seen in the demand for dark colors due to preparation for the fall trade, logwood and hematine are in a much stronger position now than they have been during the past few months. Other extracts show no change. Chestnut continues to be fairly active at unchanged levels, with cutch, fustic, hypernic, osage orange and quercitron unchanged.

FERTILIZERS

Ammoniates—Present demand for the fertilizer trade is at a between-season lull but prospects for the near future are very promising. South American goods are high on account of European demand and blood and tankage are both particularly strong due to demand for feeding purposes. Blood has advanced to \$3.60 in New York, \$3.90 from South America with Chicago obtainable at \$3.50 unit. Tankage in New York is up to \$3.50@3.75 with South American up to \$3.90 and Chicago at \$3.25. Bone meal is unchanged at former figures; fish scrap has advanced to \$3.10 f.o.b. works or \$3.35 Baltimore and nitrogenous material is now up to \$3.45, c.i.f. Atlantic ports, due to firmer ideas abroad.

Acid Phosphate—Market continues firm at 60c unit with 50c ton additional for the 16% guaranteed.

Ammonium Sulfate—Producers are now right in the midst of the contract season and prices for the coming year have not yet been determined. Announcement of the new schedule will probably be made late this week.

Cyanamid—There has been no change with demand fair and prices firm at \$1.87½@2.00 unit, bulk works.

Phosphate Rock—Demand both in this country and in Europe is very good and prices are well maintained at former figures.

Potash Salts—No change is evidenced in this market with prices firmly established at guaranteed figures. Large imports are brought in each week.

Sodium Nitrate—See Heavy Chemical Market report.

INSECTICIDES AND FUNGICIDES

Arsenic—See Heavy Chemical Market report.

Calcium Arsenate—No increase in demand reported and the market is very weak owing to large stocks and

slight demand as well as to the lower market for arsenic. Spot goods are obtainable at 6½c@7c lb. and 6c lb. is possible in the south.

Copper Sulfate—See Heavy Chemical Market report.

Lead Arsenate—Stocks are large and the demand slight. Prices remain at recent low figures.

Paris Green—Buying continues small and stocks are large. Prices are unchanged.

METALS

Antimony is unchanged although buying is slight. Prices remain at 16½c@17c lb. Copper advanced further over the week and Lake is bringing 13¾c@14c lb.; electrolytic is named at 13¾c lb. Lead is unchanged at 8½c lb. at New York, and 7½c@8c lb. at East St. Louis. Tin has moved up to 56½c lb. Zinc is steady at 7¾c lb. at New York, and 7c lb. at East St. Louis.

NAVAL STORES

Mixed revisions were recorded in rosin prices and fine grades are higher while medium and common grade are lower. Dealers name for grade B \$8.40; D \$8.90; E, F, G, H \$9.45; I \$9.50; K \$10.10; M \$10.80; N \$12.00; WG \$13.65; WW \$14.85. Turpentine is lower at 98c@1.01 gal. for spirits, and 89c@91c gal. for steam distilled.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., June 20—Rosins closed firm with all offerings sold. Medium and common grades declined over the week while fine grades advanced. Present prices are said to represent true values and greater interest is anticipated. Closing prices are: B \$7.50; D \$7.60; E, F, G, H \$8.15; I \$8.20; K \$8.80; M \$9.05; N \$10.50; WG \$11.90; WW, X \$13.10. Receipts for the week were 5,197 bbls.; stocks on hand total 8,614 bbls.

Turpentine closed firm at 92c gal. which is 3¼c below last week's closing. After the decline which was recorded during the forepart of the week the market was quite steady for the remaining days.

Jacksonville, Fla., June 20—Turpentine closed firm at 92c gal. with all offerings taken by one buyer. Lower bids were in the market at 90c@91½c. Rosin quotations were firm at the close at B \$7.10@7.50; D \$7.35@7.65; E \$7.95@8.25; F, G, H \$8.10@8.25; I \$8.10@8.30; K \$8.70@8.85; M \$9.05@9.30; N \$10.50; WG \$11.90; WW \$13.10; X \$13.25.

STARCHES, DEXTRINS AND SIZES

Dextrins—Prices remain unchanged at former figures with demand not very strong.

Sizes—No change is seen in casein, glues, and amber sorts with demand routine and prices settled.

Starches—Prices remain unchanged at recent advances but the general tendency is to weaken, due to poor demand and present weakness in the grain market.

Conditions are quiet in the tapioca market in Java. Buyers ideas are said to be considerably below those of sellers, and demand from abroad is lacking. Exports during the three months ended March 31 were, in tons, (1924 figures for the same period, in parentheses) as follows:—tapioca flour, 17,908 (8,560); tapioca flake, 1,116 (378); tapioca pearl, 2,320 (2,219); tapioca roots, 6,844 (902); factory waste, 256 (114). Shipments to the U. S. A. during the same period were:—tapioca flour, 8,231 (2,357); tapioca flake, 131 (17); tapioca pearl, 572 (573).

"With the Grain" for June 10, distributed by A. E. Staley Mfg. Co., is decidedly bullish on the grain market, due to the Government's estimate of crops being 25% below last year's crop, and the fact that frosts and droughts have hit certain areas that are devoted to corn raising.

MAKE SULFIDE IN ELECTRIC FURNACE

Sodium sulfide manufacture by means of the electric furnace has been worked out by Horace Freeman of the Shawinigan plant of Canadian Electro Products, Ltd. Although the process has not been made public Mr. Freeman is to deliver a paper describing the details of plant and its operation at the annual Convention of Chemists at Guelph, Ont.

The new product is said to contain 90 per cent of sodium sulfide which is particularly adapted to the requirements of textile and leather dyeing. This product has already been placed on the Canadian market and, although it meets with the approbation of the users from the quality standpoint, prices have precluded its successful competition with the imported material of less purity.

BUY CHEMICAL STOCKS AT BARGAIN SALE

Thirty-one dollars was paid at an auction of securities at the salesrooms of Adrian Muller & Son, in Vesey street, New York, last week, when 1,250 shares of Butterworth-Judson common stock, 250 shares of Cobalt Chemical Co. common, and 250 shares of Cobalt Chemical Co. preferred shares were sold, with about 22,000 shares of oil stock—\$31.00 for the entire lot.

DYE STANDARD LIST NO. 20 ISSUED

Strength of Imported Colors Compared in Order to Assess Specific Duty (Special to Drug & Chemical Markets)

Washington, D. C., June 24—The Customs Service, Treasury Department, has issued supplemental dye list No. 20. The strength is fixed for the purpose of assessing the specific duty of 7 cents per pound, which is applied in the proportion that the strength of the imported product bears to the strength of similar commercial importations prior to July 1, 1914. The list follows (The imported product identical with the standard color is indented under each standard):

No. Class	Name of Standard	Mfr
Index		
1 T	S. 787 Alizarine Bordeaux BP 20% Paste	(By)
	C. 1045 Alizarine Bordeaux BP Pastes & Powd.	(By)
2 T	C. 1051 Alizarine Cyanine 2 G	(By)
3 T	C. 1058 Alizarine, Uraole 2 B	(By)
	No identical product	
4 T	(A) Azo Flavine FFN	(B)
5 T	S. 472 Chloramine Blue HW	(S)
	C. 591 Azo Flavine FFNX	(B)
	Chloramine Blue HW Conc	(S)
6 T	(M) Chrome Fast Blue BX	(B)
	No identical product	
7 T	(M) Chrome Printing Bordeaux B.	(J)
	No identical product	
8 T	(M) Chrome Printing Orange 2 R	(J)
	No identical product	
9 T	S. 474 Diamine Green B.	(C)
	C. 593 Minaxo Green BX	(B)
10 T	(D) Diphenyl Fast Orange B	(G)
11 T	S. 164 Fast Red VR	(By)
	C. 180 Mars Red ATX No. 2213	(B)
12 T	(V) Helindone Brill. Green D5G162/3% Paste	(M)
	Helindone Brill. Green D5G Pastes & Pd	(M)
	Anthra Brill. Green D5G Pastes & Powder	(B)
13 T	S. 848 Indanthrene Grey B. Pastes & Powder	(B)
	C. 1123 Anthra Grey B Pastes & Powder	(B)
14 T	(M) Metachrome Black AG	(A)
	No identical product	
15 T	S. 385 Oxamine Blue 4 R	(B)
	C. 471 Minaxo Blue 4 RX	(B)
16 T	(D) Oxemiryl Claret RXX	(B)
	Minaxo Claret RXX	(B)
17 T	(D.d) Rosanthrene Fast Bordeaux BL	(J)
	Diamine Azo Fast Bordeaux B	(C)
	Diamazine Bordeaux BL	(C)
18 T	(D.d) Rosanthrene Fast Bordeaux 2 BL	(J)
	Rosanthrene Fast Bordeaux 2 BL Conc.	(J)
19 T	S. 10 Stilbene Yellow 3 GX	(B)
	C. 622 No identical product	
20 T	(B) Straw Blue G	(By)
	No identical product	

INDUSTRIAL CHEMICAL SECTION

INSECTICIDE MEN ADOPT CODE OF ETHICS

(Special to Drug & Chemical Markets)

Boston, June 24—A code of ethics was adopted by the Insecticide and Disinfectant Manufacturers' Association at its meeting here on June 18, 19 and 20. Frederick A. Hoyt, president of the Association, who was also chairman of the Committee on Code of Ethics, said in presenting the Committee's report:

"I dislike to mention the subject, but as many of you are aware of the fact, the most pernicious trade abuse in our industry today is commercial bribery. This is an ugly name, though very appropriate. The giving of articles of value to influence the buyer, who is not the ultimate consumer, under the guise of a premium, a special offer, in lieu of an agent's commission, profit-sharing plans and similar schemes are mere subterfuges to ease the conscience of the buyer. The practice is as harmful as giving money to the buyer. It makes the officials dishonest, the salesmen dishonest, the buyer dishonest and robs their competitors of their profits. It destroys all legitimate competition."

When the Committee on Standardization presented its report, C. C. Baird, of Baird & McGuire, offered to publish it as one of the bulletins of Baird & McGuire. State laws were discussed at length on the closing day. About thirty firms were in attendance. A shore dinner was served at Nantasket Beach Saturday evening.

No.	Stand'ds.	Name of Standard	Mfr.
21 T	S. 194	Thiazine Red R	(B)
		Trident Red RXX	(B)
		Additional Names of Dyes Corresponding to Dyes Already Adopted as Standards	
1924	Stand'ds.		
20	S. 821	Algol Brill. Violet 2 B 12 1/4% Paste	(By)
	C. 1134	Helindone Brill. Violet IBBK Pastes & Powder	(M)
21	S. 820	Algol Brill. Violet R 12 1/4% Paste	(By)
	C. 1135	Helindone Brill. Violet IRK Pastes & Pd	(M)
35	S. 862	Alizarine Blue Black B	(By)
	C. 1065	Chrome Blue Black B	(J)
48	S. 852	Alizarine Irisol R	(By)
	C. 1073	Alizarine Blue JR	(B)
		Alizarine Direct Violet ER	(B)
4 a	(M)	Alizarine Direct Blue A	(M)
		Alizarine Supra Blue A	(By)
		Alizarine Levelling Blue CA	(C)
50	S. 780	Alizarine Red S	(B)
	C. 1094	Alizarine Red SV	(B)
3 q	(D)	Benzo Bronze E	(By)
85	(D)	Chlorazol Drab RH	(BDC)
		Diamine Fast Grey BN	(C)
1.3	S. 424	Brill. Benzo Blue 6 B	(By)
		Brill. Benzo Blue 6 B Conc.	(By)
144	S. 613	Chinoline Yellow	(B)
	C. 801	Quinoline Yellow	(J)
8 p	S. 804	Chrysophenine G	(L)
208	S. 365	Ignamine Yellow GX	(C)
	S. 319	Diamine Scarlet 3 B	(J)
	C. 382	Chlorantine Red 3 B	(C)
212	S. 274	Diaminogene B	(C)
	C. 317	Developing Black B	(C)
220	(D.d)	Diazanti Scarlet 3 BA	(M)
226	(D.d)	Diazo Brill. Scarlet 2 BL Extra	(By)
		Developer Brill. Scarlet 2 BL	(C)
8 b	(D.d)	D'azo Fast Violet BL	(By)
		Developed Light Violet BL	(By)
10 i	C. 654	D'azo Fast Yellow 2 G	(By)
		Developed Fast Yellow 2G	(By)
294	S. 918	Helindone Red 3 B. 20% Paste	(M)
	C. 1212	Helindone Reddish Violet IRH Pastes & Powder	(M)
312	C. 1114	Anthracene Blue BCS 20% Paste	(Newport)
		Helindone Blue IBCS Pastes & Powder	(M)
317	S. 838	Indanthrene Blue RS 10% Paste	(B)
	C. 1106	Helindone Blue IRS Pastes & Powder	(M)
323	S. 763	Indanthrene Dark Blue BO 25% Paste	(B)
	C. 1099	Cibonone Deep Blue BO Pastes & Powder	(B)
4 m	S. 768	Indanthrene Violet B Ex. 25% Paste	(B)
	C. 1105	Helindone Violet IB Pastes & Powder	(M)
424	C. 324a	Rosanthrene A	(By)
		Diazo Brill. Scarlet ROA Ex	(B)
92 a	S. 539	Soluble Blue T	(M)
	C. 707	Water Blue No. 32128	(A)
445	S. 661	Thionine Blue GO	(B)
	C. 926	Methylene Blue HGG	(B)
448	S. 358	Tolylene Red	(Gr.E)
	C. 436	Chloramine Brill. Red 8 B conc.	(S)

Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, June 13 to June 20

- ACIDS**—Citric, 100 brls., Superfos Co., Genoa; Coal Tar, 7 drs., Merck & Co., Hull; Cresylic, 23 drs., De Mattia Chem Inc., Manchester; 20 drs., Amer Hawaiian S. S. Co., Glasgow; Formic, 122 carboys, R. W. Greeff & Co., Rotterdam; Stearic, 152 bgs., Lunham & Reeve, Rotterdam; 69 bgs., C. R. Spence & Co., Rotterdam; 33 cs., Lehn & Fink, Rotterdam
- AGAR AGAR**—20 bls., Shima Trdg Co., Kobe
- ALBUMEN**—43 cs., Orler, Shanghai
- ALCOHOL**—Denatured, 70 brls., 30 drs., C. Esteve, Arecibo; 100 brls., 40 drs., C. Esteve, Arecibo
- AMMONIUM CARBONATE**—15 cks., J. Turner & Co., Hamburg
- ANTIMONY**—Crude, 250 cs., Union Trust Co., Cleve. Hankow; Oxide, 300 bgs., Bank of America, Shanghai; Regulus, 250 cs., W. R. Grace & Co., Shanghai; 500 cs., Bank of America, Shanghai
- ARGOLS**—50 cs., Royal Baking Powder Co., Naples; 36 sks., W. R. Grace & Co., Valparaiso
- ARGON GAS**—2 cys., S. Mendel, Rotterdam
- ARSENIC**—150 brls., Amer Smelting & Ref. Co., Tampico; 1,000 cs., P. I. Fagan & Co., Kobe; 1,000 cs., A. Klipstein & Co., Kobe; 200 cs., G. F. Taylor & Co., Kobe; 250 cs., Meteor Products Co., Tokio; 400 sks., Chipman Chem Eng Co., Tokio; 500 cs., Nozaki Bros., Kobe
- ARSENIC**—150 brls., Amer Smelting & Ref. Co., Tampico; 1,000 cs., P. I. Fagan & Co., Kobe; 1,000 cs., A. Klipstein & Co., Kobe; 200 cs., G. F. Taylor & Co., Kobe; 250 cs., Meteor Products Co., Tokio; 400 sks., Chipman Chem Eng Co., Tokio; 500 cs., Nozaki Bros., Kobe
- BALSAM**—4 cs., Hamberger Polhemus & Co., Central Amer Ports; 9 cs., E. Pavenstadt & Co., Central Amer Ports; Tolu, 8 cs., De Lima Correa & Cortisoz, Cartagena
- BARKS**—Mangrove, 54 bgs., Abe Stein & Co., Monte Cristi; Quillay, 49 bls., W. R. Grace & Co., Antwerp; 85 bls., Order, Talcalmano
- BARYTES**—500,000 kilos, Ore & Chem Corp., Rotterdam; 1,100 sks., Order, Genoa; 500,000 kilos, Ore & Chem Corp., Rotterdam
- BETAOXYNAPHTHOL**—9 brls., Heyden Chem Co., Hamburg
- BLANC FIXE**—50 sks., Order, Hamburg
- BUTYL ACETONE**—4 drs., H. A. Metz & Co., Rotterdam
- CAMPHOR**—160 cs., Equit Trust Co., Hamburg; 100 cs., Eastman Kodak Co., Shanghai; 50 cs., Order, Shanghai; Refined, 50 cs., Fehborn Pharmaceutic Co., Kobe
- CASEIN**—329 bgs., T. M. Duché & Sons, Buenos Aires; 405 bgs., Brown Bros. & Co., Buenos Aires
- CIALK**—360,000 kilos, Taintor Tdg Co., Dunkirk
- CHEMICALS**—193 cks., Roessler & Hasslacher, Rotterdam; 80 carboys, A. Klipstein & Co., Rotterdam; 100 carboys, A. M. Sergeant & Co., Rotterdam; 490 cks., Order, Rotterdam; 5 cks., Order, Hamburg; 10 cks., Panama Pacific Line, Antwerp; 328 bgs., Brown Bros. Co., Glasgow; 3 cs., Merck & Co., Rotterdam; 250 bgs., P. Uhlich & Co., Rotterdam; 10 cks., A. Klipstein & Co., Rotterdam; 350 brls., W. Van Doorn, Rotterdam; 26 pgs., Order, Rotterdam; 2 cks., Fezandie & Sperrle, Hamburg; 1 cse., Hummel & Robinson, Hamburg; 2 cs., Merck & Co., London; 57 cks., Kidder Peabody & Co., Rotterdam; 154 cks., Roessler & Hasslacher, Rotterdam; 120 cks., A. Klipstein & Co., Rotterdam; 4 cs., E. Fougere & Co., Hamburg; 6 cs., Alaska Fur Dyeing Works, Havre; 2 cs., G. J. Wallau, Havre; 10 cks., Order, London; Sks., Mallinckrodt Chem. Works, Havre
- CHROMIUM OXIDE**—12 cks., Reichard Coulston, Rotterdam
- CINCHONINE**—13 cs., R. W. Greeff & Co., Rotterdam
- CLAY**—50 cks., Vesuvius Crucible Co., Rotterdam
- COAL TAR DISTILLATE**—96 drs., Order, Liverpool; 80 drs., Merck & Co., Hull; Preparations, 1 ck., 1 cse., Franklin Imp & Exp Co., Hamburg
- COLORS**—10 cks., Brown Bros & Co., Southampton; 73 pgs., Grasselli Chem Co., Rotterdam; 6 cs., Pomeroy & Fischer, Rotterdam; 23 brls., Chem Nat Bank, Genoa; 5 brls., Order, Genoa; 5 cks., 2 cs., Nat City Bank, Hamburg; 20 cks., Attroff Pickhardt Co., Hamburg; 4 cks., Franklin Imp & Exp Co., Hamburg; 7 cks., 1 cse., Geigy Co., Antwerp; 4 cks., Irving Bank, Antwerp; 6 brls., Irving Bank, Antwerp; 7 cylinders, Sandoz Chem Works, Havre; 2 cks., Fidelity Intern Trust Co., Havre; 16 cks., Geigy Co., Havre; 7 cks., Carbic Color & Chem Co., Havre; 114 pgs., Ciba Co., Havre; 7 cks., Color Service Co., Rotterdam; 2 cks., Siemon & Elting, Rotterdam; 1 ck., H. A. Metz & Co., Hamburg; 4 cks., Franklin Imp & Exp Co., Hamburg; 13 drs., E. Ritter, Southampton; 2 cs., B. F. Drakenfeld, Havre; 38 31 pgs., Grasselli Dyestuff Co., Rotterdam; 14 cylinders, Sandoz Chem Works, Rotterdam; 14 cks., Wetterwald & Pfister, Havre; 5 cks., Amer Exor Nat Bank, Havre; Bronze, 17 cs., B. F. Drakenfeld & Co., Hamburg; 1 cse., Sternberg & Co., London; 7 cs., Amer. Exp Co., Hamburg; 6 cs., L. Uhlfelder & Co., Hamburg; 16 cs., B. F. Drakenfeld & Co., Hamburg; Coal Tar, 11 cks., H. A. Metz & Co., Rotterdam; Earth, 35 cts., Fezandie & Sperrle, Hamburg; 106 cts., Heller & Merz, Hamburg
- COPRA**—362 bgs., United Fruit Co., Kingston; 58 bgs., Franklin Baker Co., Morant Bay; 39 bgs., Franklin Baker Co., Cristobal
- DEXTRIN**—Potato, 50 bgs., De Twentsche Bank, Rotterdam
- DRAGONS BLOOD**—15 cs., Order, London
- DRUGS**—7 cks., W. Van Oorn, Rotterdam
- EARTH**—200 bgs., Order, Oran
- EXTRACTS**—Logwood, 214 brls., Logwood Mfg Co., Jacmel; 100 cks., Amer Dyewood Co., Kingston; Quebracho, 978 bgs., N. Y. Trust Co., Buenos Aires; 3,000 bgs., First Nat Bank Boston, Buenos Aires; 6,100 bgs., Intern Products Co., Buenos Aires
- FLOWERS**—Pyrethrum, 150 bls., Suzuki Co., Kobe
- FLUOR SPAR**—2,250 bgs., Order, Genoa
- FORMALDEHYDE**—12 drs., E. Ritter, Antwerp
- GELATIN**—130 cs., P. Puttmann, Rotterdam; 6 cs., Order, Hamburg; 105 brls., H. A. Sinclair, Rotterdam
- GLUE**—153 bls., 50 bgs., British Bank of So. America, Antwerp; 10 cks., Nat Gum & Mica, Liverpool
- GLUESTOCK**—23 bls., Conn Glue Co., Antwerp
- GLYCERIN**—20 drs., Order, Antwerp
- GUMS**—Animi, 10 cs., 18 pgs., Winterbourne & Co., London; Copal, 100 bgs., Order, Singapore; 279 bkts., Innes & Co., Macassar; 124 bkts., Kidder Peabody Acceptance Corp., Macassar; 135 bkts., France Campbell & Darling, Macassar; 197 bkts., A. Klipstein & Co., Macassar; 272 bgs., Chem Nat Bank, Antwerp; 115 bgs., Toeh Bros., London; Damar, 100 cs., 128 bgs., L. C. Gillespie & Sons, Singapore; 128 bgs., Brown Bros., Singapore; 100 cs., 256 bgs., Baring Bros. & Co., Singapore; 204 bgs., Order, Singapore; 100 cs., Order, Batavia; Kauri, 530 ck., Doherr Grimm & Co., Auckland; 72 bgs., 29 cs., L. C. Gillespie & Sons, Auckland; 19 cs., Brown Bros. & Co., Auckland; 618 pgs., Standard Bank S. A. Auckland; 74 cs., Chem Nat Bank, Auckland; 800 sks., 30 cs., Guaranty Trust Co., Auckland; 25 cs., Davis, Turner & Co., Auckland; 200 sks., France Campbell & Darling, Auckland; 15 cs., J. D. Lewis, Auckland; 60 sks., 495 cs., Order, Auckland; Myrrh, 20 cs., A. Hirsch & Co., London; Tragacanth, 24 cs., W. Tappenbeck, London; Sandarac, 30 bgs., W. Willis & Sons, Casablanca; Yacaca, 178 bgs., Brown Bros. & Co., Adelaide; 170 bgs., Order, Adelaide; 465 bgs., Brown Bros. & Co., Adelaide; 491 bgs., Baring Bros. & Co., Adelaide
- HERBS**—3 bgs., Foreign Freight Agent, Hamburg; 140 pkts., Order, Genoa
- THALLIUMSULFATE**—2 cs., Bayer Co., Rotterdam
- IRON OXIDE**—15 cks., J. A. McNulty, Liverpool; 60 cks., Order, Liverpool; 17 cks., Bank of America, Liverpool; 114 cks., Reichard Coulston, Liverpool
- JUICE**—Lemon, 80 brls., Order, Palermo; Lime, 201 cs., R. F. Downing & Co., London; 400 cs., J. P. Smith & Co., London; Paw Paw, 11 cs., Chase Nat Bank, Southampton
- LACTALBUMIN SOLUTION**—6 cs., H. A. Metz & Co., Hamburg
- LEAVES**—30 bls., Seck & Kade, Marseilles; Buchu, 20 bls., Order, Capetown; Patchouli, 41 bls., Brown Bros., Singapore; Sage, 22 bls., A. Joensson, Trieste
- LICORICE CUTTINGS**—10 bgs., Peek & Velsor, Marseilles
- LINALYL ACETATE**—1 cse., E. M. Lueders & Co., Hamburg
- LITHOPONE**—25 cks., E. M. & F. Waldo, Antwerp; 5 cs., Rohner Gettrig & Co., Antwerp
- MAGNESA**—15 cs., 10 cylinders, Order, Genoa; Carbonate, 34 cs., Order, Hull
- MAGNESITE**—313 bgs., Speiden Whitfield & Co., Rotterdam; 193 brls., Innis Speiden & Co., Rotterdam
- MAGNESIUM CHLORIDE**—184 drs., Mfrs., Trust Co., Hamburg; 110 drs., Order, Hamburg
- MEDICINALS**—2 cs., Ital Drug Inn Co., Genoa; 4 cs., Order, Genoa; 18 cs., J. Perseneni, Genoa; 7 cs., Gigante & Co., Genoa; 39 cs., Bayer & Co., London
- MENTHOL**—41 cs., T. A. Seltzer, Havre; 25 cs., Far East Impit Co., Kobe; Crystals, 10 cs., F. A. Cundill & Co., Kobe; 145 cs., S. W. Bridges & Co., Kobe; 50 cs., T. Seltzer, Kobe
- MERCURY**—40 flasks, Poillon & Poirier, Vera Cruz; 51 bgs., Order, Vera Cruz; 1 cse., Order, Rotterdam
- OILS**—Coconut, 870 tons Munn & Jenkins, Manila; Cod, 190 cs., Nat Oil Products Co., St. Johns; Codliver, 100 brls., Lilly & Co., Rotterdam; 50 brls., O. Waboe, Rotterdam; Creosote, 707 tons, Amer Creosoting Co., Cardiff; Haarlem, 25 cs., Lo Curto & Funk, Rotterdam; Linseed, 188 drs., Intern Composition Co., Hull; 60 drs., Order, Hull; Olive, 745 cs., Order, Genoa; 214 cs., Gen Transport Co., Naples; 150 cs., R. Rossano Bros., Genoa; 455 cs., Solafini Bros., Genoa; 200 cs., G. Basile, Genoa; 200 cs., Ital Discount & Trust Co., Genoa; 123 cs., F. H. Leggett & Co., Leghorn; 1,100 cs., Order, Leghorn; Olive Oil, 300 brls., Williams Shpg Co., Naples; Palm, 443 cks., African & Eastern Trdg Co., Africa; 370 cks., Niger Co., Africa; 179 cks., Order, Africa; 1,309 cks., Irving Bank, Africa; 1,125 cs., African & Eastern Trdg., Africa; 713 cks., Jiger Co., Africa; 80 cks., J. Walkden & Co., Africa; 111 drs., Banque Francaise Cotoncu, Africa; Rape, 650 brls., Vacuum Oil Co., Hull; 100 brls., Bankers Trust Co., Hull; 570 brls., Order, Hull; Spermi, 30 brls., Order, Glasgow; Wood, 140 drs., Grace Bank, Shanghai
- ORTHOCHLORPHENOL**—1 ck., Bayer Co., Rotterdam
- OILS ESSENTIAL**—318 cs., Order, Messina; 4 pgs., Orbis Prod Trdg Co., Havre; 6 cs., Polaks Frutal Works, Rotterdam; 1 cse., Pfaltz & Bauer, Rotterdam; 2 cs., Roure Bertrand, Havre; 10 cs., Magnus Mabec & Reynard, Kobe; 10 cs., Angelica, 1 cse., Dodge & Reynard, Rotterdam; Arom, 11 cs., P. R. Dreyer, Hamburg; Bay, 11 cs., Magnus Mabec & Reynard, Arroyo; Camphor, 105 drs., D. J. Bush, Kobe; 125 drs., Orbis Products Trdg Co., Kobe; 10 drs., J. B. Horner, Kobe; Caraway, 4 cs., Order, Hamburg; Cassia, 5 drs., Fidelity Intern Trust Co., Hongkong; 5 drs., Brown Bros. & Co., Hongkong; Citronella, 8 drs., Catz Amer Corp., Batavia; Eucalyptus, 31 drs., 25 cs., J. F. McCoy & Co., Geelong; 120 cs., 4 drs., Order, Geelong; Lemon, 40 cs., F. & J. Burke, Ltd., Palermo; 75 cs., Order, Palermo; Orange, 25 cs., Or-

(Continued on Page 1889.)

DRUG AND FINE CHEMICAL SECTION

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices for Week Ending June 20, 1925

DISC. ASKED	BID ASKED
*Air Reduction ....100%	103
*Allied Chem. & D. 91	91 1/4
*Allied C. & D., pf., 119 1/4	120
*Am. Ag. Ch. ....189 1/4	19
*Am. Ag. Ch., pf. ....51	52
*Am. Chicle ....50	52
*Am. Chicle, pf. ....105	108 1/4
*Am. Cyan. ....123	127
*Am. Cyan., pf. ....83	86
*Am. Druggist, S. ....5 1/4	5 1/4
*Am. Glue ....47	50
*Am. Glue, pf. ....106	109
*Am. Linseed ....27 1/4	28
*Am. Linseed, pf. ....70	70 1/4
*Am. Metal ....47 1/4	48
*Am. Zinc ....29 1/4	30
*Am. Zinc, pf. ....33 1/4	34 1/4
Archer Dan. Mid. pf. ....97	98
*Atlas Powder ....46	49
*Atlas Powder, pf. ....91	93
By-Prod. Co. ....46	49
By-Prod. Co., pf. ....102	105
Canad. Ind. Al. ....164 1/2	17
Canad. Salt ....105	115
Casacin Co. ....62	66
Celluloid Co. ....28	32
Celluloid Co. pf. ....73	77
*Certain-teed Prod. ....48	48 1/4
Charcoal Iron ....10	20
Ches. Mfg. ....60	61 1/2
Ches. Mfg., pf. ....115	117
Clark Co., Fred. ....2 1/4	4
Cleve. Cliffs Iron ....70	73
*Com. Solv. A. ....86	90
Do B. ....86	93
*Corn Products ....34 1/4	34 1/4
*Corn Products, pf. ....123	127
*Davison Chem. ....34 1/4	35 1/4
Dow Chem. no par. ....56	65
Dow Ch., pf. ....98	102
Dow Drug Co. ....140	140
Dow Drug Co., pf. ....105	108
*Du Pont, Deb. ....98	100
*Du Pont de Nem. ....175 1/4	176
*Eastman Kodak ....106 1/4	107 1/4
*Eastman Kodak, pf. ....111 1/4	112 1/4
*Freeport Tex. ....17 1/4	17 1/4
*Gen. Asphalt ....53 1/4	54
*Gen. Asphalt, pf. ....94 1/4	95 1/4
*Gold Dust ....38 1/4	39
Grasselli ....125	130
Grasselli, pf. ....101	108
Hercules Powder ....104	107
Hercules Powd., pf. ....103	107
Heyden Chem. ....17 1/4	18
Hooker Electro ....12	15
Hooker Electro, pf. ....40	45
*Household Products ....37 1/4	38
*Int. Agricult. ....80 1/4	81
*Int. Agricult. pf. ....52	52 1/4
*Int. Nickel, pf. ....29 1/4	29 1/4
*Int. Nickel, pf. ....29 1/4	29 1/4
*Int. Nickel, pf. ....68 1/4	75 1/4
*Mathieson Alk. ....80	81 1/4
*Mathieson Alk., pf. ....99 1/4	100
MacAnd & Forbes ....153	156
MacA. & Forbes, pf. ....100	103
Merck & Co. pf. ....50	55
Merrimac ....84	86
Mulford Co. ....30	33
*National Lead ....146	149
*National Lead, pf. ....116	117
Niag. A., pf. ....80	85
N. J. Zinc ....187	189
Parke, Davis & Co. ....77	80
Penn Salt ....81	83
*Peoples Gas Chi. ....118 1/4	119
Procter & Gamble ....124	127
Procter & Gam., pf. ....158	161
Royal Bkg. Pow. ....140	143
Royal Bkg. Pow., pf. ....101	103
Shawinigan ....152 1/4	154 1/4
Sherwin-Will. 1st pf. ....103 1/4	106 1/4
*Sterling Prod. ....64 1/4	65
Swan & Finch ....16	17
*Tenn. C. & Chem. ....11 1/4	11 1/4
*Tex. Gulf Sul. ....104	106
Union Carbide ....69 1/4	71
*Un. Drug ....122	122 1/4
*Un. Drug 1st pf. ....54 1/4	55
*Un. Dyewood ....11	15 1/4
*Un. Dyewood, pf. ....71	75
Un. Gas Imp. ....58 1/4	59 1/4
U. S. Gypsum ....170	171
*U. S. Indus. Al. ....87 1/4	88
*U. S. Indus. Al. pf. ....113	116
*Va. Car Ch. pf. ....134 1/4	145 1/4
*Va. Car Ch. ....39 1/4	4
*V. Vivandou ....14 1/4	14 1/4
Will & Baumer ....12	14

*Listed on New York Stock Exchange

FOREIGN EXCHANGE	Par	Current
Great Britain (pound sterling)	\$4.866	\$4.855/8
France (franc)	163	167
Italy (lira)	193	197
Belgium (franc)	198	206
Czechoslovakia (crown) per hundred	20.30	20.29
Denmark (krone)	168	174
Germany (mark)	238	238
Holland (florin)	402	400
Norway (krone)	258	268
Poland (zloty)	193	192
Spain (peseta)	193	195
Sweden (krone)	268	267
Switzerland (franc)	198	194
Argentina (peso)	424	403
Brazil (milreis)	324	311
Japan (yen)	499	42
India (rupee)	485	364
China (Silver dollar, Hongkong)	789	790
(Tael-Peking, silver)	1.146	1.146
(Tael-Shanghai, silver)	1.986	1.986

The annual statement of New England Chemical Co., for the year ended Dec. 31, 1924, is as follows: Assets—Real estate, \$24,036; machinery, \$40,843; furniture, fixtures and tools, \$1,234; accounts receivable, \$3,376; railroad siding, \$1,220; preferred insurance, \$547; lease of land, \$1; formulae and processes, \$83,023; profit and loss, \$3,698; total, \$157,978. Liabilities—Common stock, \$150,000; accounts payable, \$5,778; notes payable, \$2,200; total, \$157,978.

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Valentine's Drug Stores, Camden, N. J., \$125,000. V. McClellan Fulton, Michael Albert, R. Irving Stagmer, Kenneth Weeks, Camden. Attorney, D. Trueman Stackhouse; Camden.

United Drug Color Corp., New York City, \$10,000. B. Spier, M. Nathanson. R. Felter. Attorney, I. P. Eisenberg, 32 Court st., Brooklyn.

Sumac Dore Products, New York City, \$250,000. Toilet preparations, J. H. and H. Muller, R. Rodoff. Attorneys, Muller & Muller, 280 Broadway.

Belknap Products Co., New York City, 1,000 shares preferred stock, \$100 each; 1,000 common, no par. Chemists, E. D. Belknap, H. Bolster. Attorney, C. A. Hitchcock, 40 W. 40th st.

Planard Laboratories, Westbury, Nassau County, Long Island, 300 shares common stock, no par. Pharmaceutical preparations, J. E. and J. H. Shepherd, M. Plack. Attorney, J. D. Appleby, 1650 Broadway, New York.

Osborn Pharmaceutical Laboratories, Wilmington, Del., \$100,000 Colonial Charter Co.

Leshone de Paris, New York City, \$30,000. Perfumes, A. Rolls, J. Kohn, W. T. Andy. Attorney, H. C. Pollack, 1 Madison ave.

Saco Laboratories, Brooklyn, \$10,000. Disinfectant, L. and A. Baron, L. Gitlow. Attorney, H. L. Turk, 50 Court st.

New Nap System of America, Dover, Del., \$1,250,000. Dyers and cleaners, John F. Kendall, Brooklyn, N. Y.; Louis W. Krewer, Forest Hills, N. Y.; Mortimer F. Flynn, W. Brighton, N. Y. Representative, Sylvester D. Townsend, Jr., Wilmington.

Chemical Patents Co., Wilmington, \$10,000. Corporation Trust Co. of America.

Chemical Appliances, Wilmington, Del., \$155,000. Corporation Trust Co. of America.

Pittsburgh Cleanser Laboratory, Pittsburgh, Pa., \$50,000. Capital Trust Co. of Delaware.

Cosmos Co., Newark, N. J., \$800,000. Toilet articles, W. E. Turton, Roy J. Harding, Mildred Cohen, Newark. Attorney, W. Eugene Turton, Newark.

Long Island Color Chemical Corp., New York City, 500 shares preferred stock, \$100 each; 100 shares of common, no par. J. Shimel, A. L. Price, W. S. Cohen. Attorneys, Kotzen Bros., 51 Chambers st.

Lipoidal Laboratories, New York City, \$10,000. A. S. and P. Horowitz, R. A. Lanyi. Attorney, F. McCoy, Jr., 1465 Broadway.

McColl Bros., Buffalo, N. Y., 200 shares common stock, no par. Oils and varnishes, J. E. Kelley, M. N. Turner, N. S. Symons. Attorneys, Rann, Vaughan, Brown & Sturtevant, Buffalo.

L. E. Scott Co., Southington, Conn., \$350,000. Cleaning and polishing preparations, L. E. Scott, J. Small, J. W. White, 112 Fairfield ave., Hartford, Conn.

Meeker Sugar Refining Co., Philadelphia, \$1,700,000. Corporation Guarantee & Trust Co.

Dixie Glass Co., New York, \$1,000,000. H. C. Hand, New York City. United States Corporation Co.

William Haigh Co., Baltimore, Md., \$100,000. To manufacture flavoring extracts, Maynard C. Nicholl, Sterrett W. Polk, Lillian C. Haigh, 128 So. Calvert st.

American Cyanamid Co., Wilmington, Del., 1,000 shares common stock, no par. W. B. Bell, president, C. M. Grant, J. C. Cannon, 1110 Federal Commerce Trust Building, St. Louis.

Lapax Perfumery Co., Newark, N. J., \$125,000. M. Wenger, J. Caplan, S. Caplan, Newark. Attorney, H. Caplan, Newark.

Superior Products Corp., Elizabeth, N. J., \$200,000. To manufacture celluloid, S. Spitalny, F. Spitalny, V. E. Coriell, Elizabeth. Attorneys, Stamber, Stamber & Koestler, Elizabeth.

Humboldt Dye Works, Brooklyn, N. Y., \$15,000. W. and E. S. Millsap, Attorney, H. S. Cook, 38 Park Row, New York.

Woodhaven Chemical Co., Borough of Queens, Long Island, \$15,000. J. Randazzo, S. W. Clason, B. Cressman, Attorney, J. J. Silver, 1,658 Broadway, New York City.

Ciba Products, Dover, Del., \$250,000. Pharmaceutical products, R. Roy Miskimon, East Orange, N. J.; Irene R. Drake, Garsten Boe, New York City. United States Corporation Co.

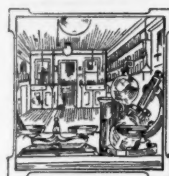
Fire Products Corp., Wilmington, Del., \$200,000. Toilet articles, American Cyanamid Co. of Canada, Ltd., Montreal, Que., 70,000 shares, no par. Chemicals, Kenneth Archibald, Winchester H. Biggar-Smith.

Bertal Textile Co., (Canada), Ltd., Montreal, Que., \$35,000. Isidore Popliger, Egbert W. Westover, Jack L. Rudner.

Firestone Chemical Co., Ltd., Toronto, Ont., \$50,000. Russell Nesbitt, Harold H. Gordon, William A. Stillwell.

O-De Germicide Co., Ltd., Hamilton, Ont., \$40,000. Oswald D. Peat, Robert P. McBride, Joseph Thwaites.

Peerless Textiles, Ltd., Mitchell, Ont., \$40,000. Woolens, William B. Davis, Wm. J. Thompson, Joseph D. Sullivan.



Drug & Fine Chemical

SECTION



Issue Accuracy Range for Hypo Tablets

Bureau of Chemistry, After Consultation With Manufacturing Trade, Fixes Variations To Be Allowed in Hypodermic Tablets—Methods of Analysis Recommended—Tolerances Claimed To Be Based on Accuracy Practicable in Carefully Controlled Processes

(Special to DRUG & CHEMICAL MARKETS)

Washington, June 24—The range of tolerances for hypodermic tablets, which the Bureau of Chemistry proposes to issue in the near future, have been announced to the trade for discussion and suggestions. The proposed announcement states in part: "Within the last few years the Bureau of Chemistry, in the enforcement of the food and drugs act, has given particular attention to medicinal tablets, especially the more commonly used hypodermic tablets.

"These preparations are of prime importance medically. They are manufactured from physiologically potent substances and constitute the chief dependence of the physician in emergencies. The physical characteristics of a hypodermic tablet usually furnish no information as to its quantitative composition. Physicians, druggists, and patients must rely upon the label. Serious consequences may follow any misstatement.

"The Bureau of Chemistry will regard as adulterated or misbranded, or both, those hypodermic tablets which fail to comply with declared compositions to an extent greater than occurs in such tablets manufactured under properly controlled processes. In ascertaining the degree of accuracy practicable careful consideration will be given to the conclusions of committees representing the drug manufacturing industry which have studied this question thoroughly and have presented a comprehensive report to the Bureau of Chemistry. These committees have suggested the maximum variations, either above or below the labeled or claimed amounts (including all tolerances), which in their opinion should be permitted in tablets manufactured under properly controlled processes. They are as follows:

	Per cent
Atropine sulfate hypodermic tablets purporting to contain $\frac{1}{4}$ gr. or more.....	7.5
Atropine sulfate hypodermic tablets purporting to contain less than $\frac{1}{4}$ gr.	9.0
Cocaine hydrochloride hypodermic tablets.....	9.0
Codeine sulfate hypodermic tablets.....	9.0
Morphine sulfate hypodermic tablets.....	7.5
Strychnine sulfate hypodermic tablets purporting to contain $\frac{1}{4}$ gr. or more.....	7.5
Strychnine sulfate hypodermic tablets purporting to contain less than $\frac{1}{4}$ gr.	9.0
Strychnine nitrate hypodermic tablets purporting to contain $\frac{1}{4}$ gr. or more.....	7.5
Strychnine nitrate hypodermic tablets purporting to contain less than $\frac{1}{4}$ gr.....	9.0

Various methods of analysis are recommended by com-

mittees representing the manufacturing drug industry, which have been referred to the referee on drugs of the Association of Official Agricultural Chemists. Copy of the complete proposed analyses may be secured from the Bureau of Chemistry, Department of Agriculture, Washington, D. C.

CONTAINERS AND LABELS DISCUSSED

The fourth annual convention of the United Medicine Manufacturers of America was held at Cleveland, June 7 to 9. The meeting was opened by the president, I. R. Blackburn, who urged the removal of tax from alcohol used in medicine and the support of the price maintenance legislation. Addresses were made by Fred C. Arner, Arner Co., on "Private Formula Manufacturing;" Charles C. Green, Charles C. Green Advertising Agency, on "Advertising;" W. H. Squires, Hinde & Dauch Paper Co., on "Corrugated Fibre Shipping Cases;" and H. C. Fuller, chemist, on "Therapeutic Claims For and Labelling of Packaged Medicines." The following officers were elected for the coming year:

President, I. R. Blackburn, Blackburn Products Co.; eastern vice-president, N. S. Wile, Dill Co.; western vice-president, Edward G. Blinz; southern vice-president, W. H. Willson, Blud Life Co.; treasurer, George W. Reese, Reese Chemical Co.; secretary, James F. Pickett, Bliss Native Herbs; and general counsel, Clinton Robb, Washington, D. C.

Norwegian statistics on the sale of alcoholic beverages by pharmacists during the year that the law has been in effect, requiring prescriptions for the sale of alcohol, show that 161,418 liters of brandy were sold compared with 1,291,335 during the previous year, and that 32,386 liters of pure alcohol were sold against 282,940 liters the previous year.

Etalissements Wollacker, Havre, France, manufacturers of pharmaceutical and chemical products, have opened a branch office in Montreal with authorized capital of \$30,000. M. A. Wollacker is arranging for a plant. Goods will be imported until manufacturing begins.

The Italian Agricultural Technical Commission is attempting the cultivation of camphor trees on the island of Sardinia. Seeds have been obtained from the island of Formosa and the work of cultivation on a large scale is proposed.

A committee of seven eminent pharmacists has been appointed to prepare a pharmaceutical formulary for the use of Norwegian pharmacists in the preparation of certain specialties and official pharmaceuticals of a uniform nature.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals see Chemical pages 1862-1880

DENATURED ALCOHOL REDUCED 5c GAL.

No. 5 and No. 6, Both Affected—July and August Deliveries 2c and 1c Respectively Below Schedule—Menthol Weaker—Quicksilver Higher—Codliver Oil Stronger—Fusel Oil Lower—Thymol Up

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Codliver Oil, \$1.00 bbl.	Thymol, 5c lb.
Declined	
Alcohol, Den. Nos 5 & 6, 5c gal.	Fusel Oil 10c gal.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid .....	.35	.35	.35	.32	\$2.00	.20
Acid Citric Import. ....	.46	.46	.45 1/4	.47 1/4	1.25	.45
Cateine, Alkaloid	3.75	3.75	3.75	3.50	13.00	3.65
Calomel, American	1.37	1.37	1.37	1.22	3.43	.90
Camphor, Jap., ref. ....	.74	.74	.75	.72	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.40	5.00	3.75
Menthol	11.00	11.00	10.75	11.75	13.50	3.00
Potassium Bromide, Cryst. ....	.49	.49	.48	.38	4.30	.80
Quinine Sulfate, Imp. ....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.50	.50	.57 1/4	.43 1/4	1.05	.50
Average	2.164	2.164	2.272	2.18	5.92	1.56

Fine chemicals have continued moving in small volume, but often enough so that the total business in certain staple items is about normal. Some few items show lack of activity. Imported goods are unable to compete with the domestic except in rare instances. Most domestic dealers feel fairly well satisfied with the present trend of events, pointing out that with consumers buying in small lots at frequent intervals, they can estimate closely what their requirements are going to be and plan production more closely.

Producers of alcohols have announced a reduction in No. 5 and No. 6 denatured with special concessions made for July and August deliveries. Codliver oil continues to show greater strength and quicksilver is well supported at new high levels. Menthol is stronger again after a falling off late last week. Otherwise prices are stable and little or no change is seen in the market condition.

Acetanilid—No change is seen in this market with prices well maintained.

Acid, Acetylsalicylic—There has been no variation from standard prices and the strength of the market is unchanged.

Acid, Benzoic—Prices remain constant with demand of a routine nature only.

Acid, Citric—Demand has shown a marked increase during the recent warm weather but stocks on hand have been sufficient to cope with the situation without any strain and prices have shown no tendency to shift from established figures. The domestic article dominates the market completely.

Acid, Diethylbarbituric—Domestic acid continues to be quoted at \$8.00@9.00 with the imported selling at \$4.00@4.25 lb.

Acid, Salicylic—No new developments are seen in this market with prices unchanged at former levels.

DRUG AND FINE CHEMICAL SECTION

Acid, Tartaric—The warm weather has also had a marked effect on the market for this acid, which is well controlled by domestic makers at the unvaried price of 29c with imported quoted at 27 1/2c@28c lb.

Alcohol—Producers of denatured alcohols have just announced a 5c reduction in No. 5 and No. 6 bringing the former down to 45 1/2c gal. in tank cars, 47 1/2c gal. in steel returnable drums, 54 1/2c gal. in wooden barrels and 67 1/2c gal. in 10 gal. cans, and the No. 6 at 1c less in each case. Denatured No. 1 and pure alcohols are unchanged at former figures. Makers are also writing contracts with the concession of 2c gal. for all deliveries made during the month of July and 1c gal. for deliveries made during August, making the actual cost of No. 5 in tanks 43 1/2c during July and 44 1/2c during August, with other grades at corresponding levels.

Alolin—No change in price with conditions of supply and demand showing no variation.

Amidopyrine—Demand for this item continues to be of a routine nature with prices well maintained at former figures.

Antipyrine—Prices remain steady at \$1.75@1.90 with demand fair for the season of the year.

Bay Rum—The St. Thomas continues in good demand with prices for all grades unchanged at former figures.

Bromides—Domestic producers continue to dominate the market with stocks of imported bromides generally depleted and replacement costs prohibitive on the current market. There is practically no soda or ammonia bromide from the foreign market to be had in New York and potash is none too plentiful. Prices remain unchanged at recently announced levels.

Camphor—Little interest in displayed in the market for camphor at present and prices are quiet at 74c lb. for Japanese slabs with domestic at 84c lb.

Codliver Oil—The situation in Norway continues strong with shipment prices now quoted at a minimum of \$35.25 bbl. and the spot market here strong at around \$36@37 bbl.

Formaldehyde—The market continues strong with a large volume of business constantly moving at recently announced reduced price of 8 3/4c lb. in large way with smaller quantities at 9c@9 1/2c lb.

Fusel Oil—There has been a slight falling off in demand recently and prices are weaker. Prices have declined to \$2.50@2.60 with some reports of \$2.40 being done.

Glycerin—There is an unusually dull demand for dynamite at present, due, it is rumored, to one large consumer having completed a contract in private for his supply. Demand for C. P. is fairly good and all prices are unchanged with little of the shading which was recently in evidence now seen.

Haarlem Oil—The market continues firm with domestic named at \$3.25 a gross and the domestic at \$3.75 with some expectation of higher prices for the imported.

Menthol—Sales were reported to have been made late last week at \$10.75 on the introduction of more stocks which appeared at that time. The market is

now firmer at \$11.00@\$11.25, which is still a trifle easier than it was last week.

Mercury—Although demand is not as great as some dealers would like to see it, quicksilver is continuing to move into consuming channels at regular intervals. Supplies are not great and the foreign market is high. The spot price is now \$84.00@\$84.50 with quotations from abroad of £14 2s 6d.

Methanol—The present feeling on the part of the market is one of hope that the menace of German synthetic material is not as serious as was at first considered, due to the value of other products produced in making the natural and also to the thought that actual cost of producing the synthetic is not as low as was first thought. There has been no change since recent reduction and the synthetic has not made its appearance on the open market.

CONFER OVER ALCOHOL REGULATIONS

(Special to Drug & Chemical Markets)

Washington, D. C., June 24—The Alcohol Trade Advisory Committee met here on Tuesday and Wednesday of last week in connection with regulation 61, proposed by the Prohibition Unit. Commissioner of Internal Revenue Blair was not in Washington and a conference was held with Assistant Secretary of the Treasury L. C. Andrews and other officials of the Prohibition Unit. The session was executive and those attending it refused to discuss the matter, but it is understood that the Committee placed before the Secretary a number of suggestions for changes in the proposed regulations. A tentative copy of the regulation has been in the hands of members of the committee for some time.

ALCOHOL PERMIT RULES CHANGED

Commissioner Blair Amends Regulations for Physicians, Dentists and Hospitals

(Special to Drug & Chemical Markets)

Washington, D. C., June 24—Commissioner of Internal Revenue David H. Blair is sending a communication to Federal Prohibition Directors in connection with the issuance of basic permits by directors. The announcement follows:

Section 204, Article 2, Regulations 60, Revised, is hereby amended to read as follows:

Basic permits may be granted by the Prohibition Commissioner, except the following, which may be granted by Directors as hereinafter provided:

1.—Permits to physicians to prescribe or use or to prescribe and use intoxicating liquor.

2.—Permits to dentists and veterinarians to use alcohol.

3.—Permits to transport, as provided in Article XV.

4.—With the exception of manufacturers permits accompanied by supplemental application, all permits (or permits to one person) to use not exceeding sixty (60) wine gallons of alcohol, wine, or other liquor (except distilled spirits other than alcohol), or any or all of them, per annum, and to sell on prescription, not exceeding four hundred and eighty (480) pints, per annum, of bottled in bond spirits in original containers of not exceeding one (1) pint capacity each. The maximum of the quantities which may be possessed at any one time under such permit or permits shall not exceed fifteen (15) wine gallons and one hundred and twenty (120) pints, respectively.

5.—Permits to hospitals, sanitariums, first aid stations, dispensaries, infirmaries, clinics, and visiting nurses associations.

Applications for the above described classes of permits shall be made on Form 1404 in triplicate in the manner provided in Article II. The Director will make a thorough examination by inspection of every applicant for a new or original basic permit with the exception of permits of the "J" classification. In acting upon new applications for permits of this classification the Director will satisfy himself by correspondence or otherwise that the applicant is a duly licensed physician actively engaged in the practice of medicine. If the Director determines that the applicant is qualified to hold a permit, he will issue such permit in triplicate on Form 1405, sending the original of the permit, together with one copy of the application, to the applicant, retaining a copy of both the permit and the application in his files, and forwarding to the Commissioner at Washington the remaining copies of the application and permit together with a copy of the inspector's report or memorandum of the facts on which such permit was issued.

PEPPERMINT OIL ADVANCED IN LONDON

Higher Prices Asked for Japanese Mint Oil, Chinawood Oil, Codliver Oil, Lemon Oil and Cocoa Butter—Menthol and Ginger Firmer—Castor Oil and Milk Sugar Lower

(Special Cable to Drug & Chemical Markets)

London, June 24—Prices of crude drugs and fine chemicals are well maintained. Quotations are higher on American peppermint oil, Japanese mint oil, chinawood oil, codliver oil, lemon oil and cocoa butter.

The market is firmer for menthol and African ginger.

Prices are easier for bromides, agar agar, cascara sagrada, ergot, senega root and tannic acid.

Castor oil and milk sugar are lower.

London, June 13 (By Mail)—The heavy depreciation in Continental exchange rates, led by francs, had a hampering influence on business and until some remedy is adopted no improvement in our trade across the Channel can be looked for. The feature again this week is the further sharp advance in Norway codliver oil owing to continued poor results of the summer fishing.

Peppermint Oil—There is more enquiry on the spot and speculative sellers of natural Wayne County are asking fully 5s per lb. more for new crop.

Japanese Mint Oil is also firmer again at 14s 6d to 14s 9d per lb., according to quantity.

Bromides are fully maintained at last week's prices and Continental offers have cemented the firm feeling here.

Thymol is very firm at 15s 6d per lb. and tending higher.

Phenacetin has recovered from its recent drop and 4s 6d per lb. is now wanted.

Cloves are steadier on spot in sympathy with higher cables for forward shipment. August sales have been made at the advanced figures of 9½d to 10d per lb. c.i.f.

Cascara Sagrada of new crop is lower at 51s per cwt., c.i.f., for August and September shipment.

Lemon Oil—Most of the doubtful parcels which have troubled the market have been cleared and advices from Messina are again bullish at 3s 6d to 4s per lb., c.i.f., and over to come forward.

Milk Sugar has suffered a further decline, both American and Dutch being now available at 75s and 76s per cwt., respectively.

The Brooklyn Army Medical Corps has awarded the following contracts for chemicals: Merck & Co., 275 bottles carbon tetrachloride at 14c; Mallinckrodt Chemical Works, 100 bottles sodium thiocyanate at 26c, 25 vials salacin at 19c and 125 bottles sodium oxalate at 25c; H. K. Mulford & Co., 100 ampoules emetine hydrochloride at 6¼c; and New York Quinine and Chemical Works, 25 bottles mercuric oxide at 41¼c.

The total catch of cod reported from Bergen up to June 3, was 55,100,000 against 62,400,000 for the corresponding week last year. The yield of steam distilled medicinal oil was 85,936 hectoliters against 105,549 last year.

John F. Queeny, of Monsanto Chemical Works returned from an extended trip in Europe on Monday, June 15. Edgar Queeny, of St. Louis, was in New York to welcome him.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 1881-1885

RHUBARB ROOT UP 3c LB. ON SPOT

Higher from Abroad—Hungarian Chamomile Also Advancing Rapidly—Russian Cantharides Weaker—Seeds Show General Weakness—Control of Scarce Articles Weakening—Gums Advancing—Good Trading Reported

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Anise Seed, Span., 1/4c lb. Gamboge Gum, 3c lb.
Canary Seed, Span., 1/4c lb. Guaiac Gum, 3c lb.
Chamomile Flowers, Hung., 3c lb. Matico Leaves, 3c lb.
Elemi Gum, 1/4c lb. Rhubarb Root, 2c lb.
Fumigating Pastilles, 1c lb. Saffron, Span., \$1.00 lb.
Turpentine, Venice, true, 1c lb.

Declined

Cantharides, Russian, 5c lb. Larkspur Seed, 25c lb.
Cardamom, bl., 10c lb. Poppy Seed, Dutch & Ind., 1/4c lb.
Caraway Seed, Dutch, 7/8c lb. Rhatany Root, 1/4c lb.
Cassia, Chinese, sel., 1/4c lb. Sunflower Seed, 1/4c lb.
Golden Seal Root, 30c lb. Turmeric, Madras, 1c lb.
Hemp Seed, 1/4c lb. Wormseed, Russian, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP .....	.33	.33	.33	.40	.90	.42
Buchu Leaves, Short .....	.65	.65	.65	.75	4.00	.85
Cantharides, Russian .....	.75	.80	.82	.90	9.00	2.10
Cocculus Indicus .....	.08	.08	.08 1/2	.08	.85	.08
Ergot, Spanish .....	.51	.50	.52	.30	4.50	.54
Insect Powder, pure .....	.38	.38	.40	.63	1.00	.28
Ipecac, Cartagena, Powd.	2.35	2.35	2.35	2.10	4.50	1.85
Nux Vomica .....	.05	.05	.05 1/2	.05	1.4 1/2	.07
Opium gum	12.00	12.00	12.00	9.00	30.00	5.10
Rhubarb Root, H. D. ....	.35	.33	.32	.30	1.75	.15
Tragacanth No. 1, ribbon	1.45	1.45	1.40	1.20	6.00	1.50
Wild Cherry Bk., thin nat. ....	.09	.00	.09	.11	.21	.07

Average 1.584 1.584 1.59 1.32 5.28 1.60

Trading in the crude drug market started off this week with a good activity which has proved encouraging to several of the dealers who have felt that present business is poor. All report a routine run of orders, mostly small, with an occasional large order which points to better business when the usual summer lull is over. The prospects are considered good and most of the trading is on a sound basis at present.

Items which have been concentrated in a few hands, due to scarcity, seem to be weakening in one or two instances although the general run of them are still high. Rhubarb root is advancing due to doubt as to replacements and Hungarian chamomile flowers are also advancing due to a short harvest. Gums are much firmer with the appearance of European buying while there seems to have been a lapse in the seed market. Russian cantharides are weaker with one or two other items showing weakness.

Anise Seeds—There is continued strengthening for this market with the Spanish seeds again advancing to 16c@18c lb. as to holder.

Balsams—The market for these products continues weak with prices unchanged although some shading is indicated in a few instances. Copaiba, South American, is unchanged at 57c@60c lb. with Para cut in some quarters to 52 1/2c lb. Firs remain firm at \$11 for the Canada and 95c gal. for the Oregon. Peru and Tolu unchanged at \$1.85@\$1.90 and \$1.40@\$1.50 lb., respectively.

Buchu—There has been some indication of weakness in this item with one or two shading their prices to

63c lb. Most holders, however, are firm at 65c@70c lb.

Cantharides—The Russian cantharides have weakened with prospect of weakening further. The price is now down to 75c lb. with the Chinese and ground unchanged at former prices.

Cardamom—The bleached cardamom seeds are reported lower at \$2.60@\$2.80 lb. with the decorticated unchanged at \$2.40@\$2.60 and green grinding at \$1.58@\$1.62.

Cassia—China select rolls have declined after their recent advance and are now quoted at 6 7/8c@7c lb. with other grades unchanged at former figures.

Chamomile—Prices for Hungarian flowers have continued to advance and now are unobtainable at less than 13c@15c lb. with shipment prices at about the same figure. Still higher prices are expected as a large crop has been allowed to go unharvested due to the prevailing low prices.

Damiana—High prices continue to prevail for this item due to its scarcity. It is now named at \$1.25 lb.

Dandelion—The spot market is still rather weak at 17 1/2c@19c although a firmer condition is reported at the source.

Ergot—The majority of holders are now asking 51c@54c lb. for this item, although 50c could probably still be done on pressure.

Fumigating Pastilles—Red pastilles have again advanced and are now quoted at 23c@25c lb.

Golden Seal Root—A great divergence between holders is found for the price of this item. Some are asking as low as \$4.60 lb. while others continue to ask \$4.90@\$5.10. It is thought in some quarters that the lower figure could still be shaded.

Gums—Practically all gums are now in a firmer position due to increased demand from Europe drawing supplies away from this market. Gum elemi has advanced to 13c@15c on the spot market with replacements up to 15c; gamboge is now up to 90c lb. and guaiac is up to 48 1/2c@58c lb. Other gums are expected to reflect this strength also.

Henbane Leaves—The U.S.P. leaves are in a firm position at unchanged prices of 27c@30c with the "no assay" leaves at 22c@26c lb.

Ipecac—Some activity has been in evidence in this item and prices are a little unsteady at the moment. The root is still quoted at around \$1.95@\$2.05 with the powdered at \$2.25@\$2.35.

Larkspur Seed—One stock of these seeds is now on the market at \$3.75 with others holding at \$4.00@\$4.25 lb. Little buying is apparent at these high figures.

Matico Leaves—Stocks of these leaves have suddenly become scarce and prices have shown some violent fluctuations. Some holders are asking as high as 25c@27c lb. although some is still available at 17c lb.

Rhatany Root—Although some are asking 10 1/4c@12c lb. for this item there are some stocks procurable at 8 1/2c@9c lb.

Rhubarb Root—With the situation at the source in its present condition, the spot market for this product is strengthening considerably. The root has now advanced to 35c@37c lb. with the powdered still quoted at 38c@40c with the upper figure the best some holders are willing to do.

Saffron—Returning strength is seen for the Spanish flowers and some quarters are again asking \$32.00@ \$33.00 lb. for these although they have been obtained lately at \$31.00 lb. American safflowers are unchanged at 40c@45c lb.

Sarsaparilla—This item is stronger on the local market and in some quarters, 23c lb. is as well as can be done. Most holders, however, are still willing to do 22c lb.

Savory Leaves—Spot stocks are temporarily short and one holder is asking 10c@10½c lb. but prompt shipments are still quoted at 7½c@8c lb.

Saw Palmetto Berries—High prices of 40c@50c lb. prevail for this item due to its scarcity in the local market.

Seeds—Spanish canary seed has advanced to 8¾c@ 9¼ lb. with seed from other sources unchanged. Dutch caraway has declined to 8c@8½c; hemp to 3¼c @3½c lb.; Dutch and Indian poppy seeds to 10¼c@ 10¾c and 8c@8½c, respectively, and domestic sunflower seed to 5½c@6¼c lb.

Turmeric—Madras Turmeric root has declined to 11½c@12c lb. with root from other sources unchanged at former prices.

Turpentine, Venice—The market for true Venice turpentine has advanced to 27c@28c lb. with the artificial unchanged at 11c@13c.

Valerian Root—The market for this item is now generally conceded to be 40c@50c lb. which is still considered to be too high for a normal condition.

Wormseed—Russian seed is a trifle easier at \$2.90@ \$3.00 with American unchanged at 8c@8½c lb.

Dr. Paul Pearson has been elected president of the Washington Wholesale Drug Exchange. Dr. William P. Herbst was elected first vice president; Dr. Charles E. Gross, first honorary vice president; Dr. H. L. Quigley, second vice president and director; Dr. H. C. Easterday, secretary; and Robert N. Harper, treasurer. The following were named on the Board of Directors: Dr. A. V. Burdine, Dr. F. T. Stone, Dr. Norman D. Parker, Dr. W. T. Kerfoot, and Dr. Ralph Judd.

According to a recent ruling of the Treasury Department (May 23), price lists including prices of liquors may be sent through the mails when they come from persons authorized to sell liquors and go to those holding permits to buy liquors. House organs and "prices current" sheets are also allowed to include these prices provided they do not include any paid advertising and go only to those entitled to buy liquors.

Tacoma Drug Co., Tacoma, Washington, capitalized at \$150,000, has elected the following officers: President, C. F. Osmers, former owner of Idaho Drug Co., Lewiston, Idaho; secretary-treasurer, M. G. A. Du Buisson. The corporation has made application for membership in the National Wholesale Druggists' Association.

Commissioner of Internal Revenue Blair states that section 264 of Regulation 60 has been repealed and the following substituted for it: "Section 264—No permit limited to expire on December 31 of the year then current, shall, merely by the filing of a renewal application therefor, be continued in force beyond that date."

Sterling Products and Household Products are negotiating for the purchase of Caldwell's Syrup Pepsin Corp. which is to be owned jointly by the two concerns.

The Editor's Correspondence

Protest Alcohol Policing Charge

Editor, DRUG & CHEMICAL MARKETS:

Of interest to your subscribers who use alcohol, desire to call to your attention subject No. 549 on Docket Bulletin No. 856 of the Trunk Line Association, proposing to establish charge of \$25.00 per car for policing at points of origin, and the same charge for policing at destination, consignments of intoxicating liquors and alcohol requiring government permit to move shipment. This would not only cover on tax paid alcohol, but as well on specially denatured alcohol. Manufacturers using specially denatured alcohol require government permits to move and use same.

This would mean an additional burden of \$50.00 per car to all users of alcohol and the specially denatured formulas, which in the opinion of the alcohol shippers is not warranted and should be protested vigorously by all alcohol manufacturers and users. Our company, as well as other interested alcohol shippers, have filed protest with Chairman R. M. Collyer of the Trunk Line Association, No. 143 Liberty Street, New York City, and have requested that before any decision is reached by that Committee due public hearing be given to shippers and consignees. Briefly, the Trunk Line Association covers jurisdiction over all railroads east of Buffalo and Pittsburgh.

Through your paper you may desire to call to the attention of your subscribers this proposal on the part of the carriers, which if it becomes effective will materially increase freight costs.

Kentucky Alcohol Corp.,
Charles W. Braden, Traffic Mgr.

STUDY MEDICAL VALUE OF CODLIVER OIL

An article on the vitamine contents of codliver oil and other fish oils, written by E. Poulsson and Gunnar Weidemann for the "Anglo-Norwegian Trade Journal" has been sent to W. Benkert & Co., American agents for M. H. Kielland, A/S, Bergen, Norway, refiners of codliver oil. The paper takes up in detail the effort to determine the source of the medicinal value of codliver oil, leading up to the conclusion that it lies in the presence of vitamine A or fat-soluble vitamine. This vitamine is found, by experimenting with rats, to contain two factors one of which contributes to the normal growth and the other to prevention and overcoming of diseases such as rickets. This was determined by the fact that oil which has been hardened by ordinary methods, continues to produce growth but has no effect on the diseases such as the natural oil does.

Experiments were carried out to determine whether any difference existed between oil obtained by the crude old fashioned method and that obtained by the more refined methods of today, whereby a less evil smelling and more palatable oil is obtained. It was found that there was no difference as to the efficacy provided temperatures and exposure to air were properly regulated in the newer methods. Further experiments developed the fact that this vitamine is found in almost all fish oils, that sex or season have practically no effect and that the primary source of this principle is probably the sea algae on which the fish feed either directly or indirectly.

Lehn & Fink have filed judgment for \$517.79 in New York county against Gaetano Portoghese.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 1885-1886, Aromatic Chemicals, 1886

CEYLON CITRONELLA DECLINES ON SPOT

Lack of Demand Weakens Market—Java Oil Also Easier—Peppermint in Meagre Supply—Spear-mint Jumps to \$5.50—Messina Essences Easy—Expressed Limes Off Market—Demand Slows Down

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Oil Spearmint, 50c lb. Oil Anise, U. S. P., 2c lb.

Declined

Oil Bergamot, 5c lb. Oil Orange, Ital., 5c lb.
Oil Citronella, Ceylon, 3c lb. Menthol, 25c lb.
Java, 5c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$3.25	\$3.30	\$3.50	\$3.75	\$7.00	\$5.00
Oil Citronella Ceylon ...	.62	.65	.65	.80	1.02	.60
Oil Cloves	1.70	1.70	1.70	1.75	3.70	1.40
Oil Lemon, Italian	1.05	1.05	.95	.80	1.70	2.00
Oil Peppermint Nat.	19.00	19.00	13.00	4.00	9.00	2.24
Oil Sandalwood, E. I.	7.00	7.00	7.00	6.25	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Coumarin	3.25	3.25	3.25	3.50	21.00	3.10
Benzaldehyde U. S. P. ..	1.30	1.30	1.30	1.50	5.15	1.50
Methyl Salicylate, Cans. .	.47	.47	.47	.47	1.00	.85
Vanillin .....	.40%	.40%	.40%	.40%	.96	.20
Average	3.53	3.54	2.93	2.14	6.83	2.05

Demand has quieted down throughout the essential oil group during the past week, according to most reports, and shading of a few prices has been noted. Lower prices for Ceylon citronella have followed slow demand and a slight easing of the shipment position. Java citronella is also easier. The peppermint situation is unchanged and supplies in all quarters are extremely meagre with prices held at almost any figure the seller desires to ask. Another rise in spearmint has brought the price up to \$5.50 lb. Although there has been a fair movement of lemon oil, the position of the Messina essences has been easier, due chiefly to the recent drop in Italian exchange. Orange and bergamot are lower. No stocks of expressed lime oil are available here, and prices for distilled limes have been moved up in some quarters. Anise has become firmer. Geranium Bourbon is in steady demand.

Essential Oils

Oil Almond—Sweet almond oil from 80c up to \$1.00 lb. as to seller, quantity, and brand. U.S.P. bitter oil at \$3.00 lb. and quiet; sans P.A. at \$3.15.

Oil Anise—A firmer undertone has developed in anise oil although demand is not active for spot goods. The uncertain situation in China is expected to eventually have a marked effect on the American and European markets. Spot U.S.P. at 62½c; some sellers ask 64c and up. Technical 60c.

Oil Bergamot—Spot bergamot is now openly named at \$3.25 lb. ranging up to \$3.50 and \$3.75 as to brand, seller, and quantity. Demand is dull and the position on spot appears weak. Situation has not been helped any by the recent lower figures for the lira. Most of the small lots of bergamot moving are commanding the higher prices owing to the restricted size of orders.

Oil Cassia—Spot cassia is reported slightly firmer,

but demand continues very light. Spot U.S.P. goods at \$2.35 lb. inside ranging upward to \$2.40 and \$2.50 as to seller. Technical oil at \$1.90 spot.

Oil Bois de Rose—On spot prices are easy, but unchanged at \$3.85 up to \$4.25 as to seller. Spot stocks are larger.

Oil Cedarwood—Continues quoted at 55c lb. spot in drums this week following drop of a week ago. Demand is routine with supplies of good quality reported better. Cedarleaf oil at 82½c up to \$1.00. Prime quality is commanding 87½c to \$1.00 as to seller.

Oil Citronella—Weakness which first showed a fortnight ago with slightly shaded prices, has brought another cut in spot figures this week. Drums are heard at 62c and 64c lb. for Ceylon oil with 60c reported for a large order. Goods afloat are named at slightly under 60c with few takers. Demand remains small and the number of shipment offers is larger. Java oil is easier with more offered at better figures to arrive later. Spot is named mostly at \$1.00, but 95c can be done on a firm order for a quantity.

Oil Cloves—Position firmly held and little change is noted. Cans range from \$1.70 to \$1.75 with less at \$1.75@ \$1.80 lb.

Oil Geranium—Demand for Bourbon geranium continues quite active with heavy quantity of goods moved into consuming channels lately. Price is \$4.00 lb. spot from leading sellers for best grade, although one or two cheaper lots are offered down to \$3.75 spot. African rose at \$5.00 up to \$6.00 as to seller and quality.

Oil Lemon—Most sellers for a few cases are still asking \$1.05, \$1.10, and up to \$1.20 in some cases. However, the recent break in lire eased the shipment position and tended to soften the spot market. Big offers have been reported down to \$1.00 for spot goods of no particular brand. Demand for spot lemon has been fair, but not what might be called active for this season. Shipment is slightly lower this week, but still means a cost of \$1.10 or over laid down New York.

Oil Limes—Expressed limes is reported off the market. Last sales of one or two hundred pounds reported made at \$5.50 lb. One seller of distilled limes is quoting \$1.85 lb. inside, although spot goods at \$1.75 are still available.

Oil Orange—The position is easy and demand is slow. Spot Italian oil ranges from \$2.55 up to \$2.65 lb. for the general run with some brands named at \$2.75 and \$3.00 lb. Quantity sales of orange could probably be made at \$2.50 on a firm offer from a consumer. The position of orange was not helped any by the recent exchange break, along with other Messina essences.

Oil Peppermint—Where the oil is available, small sales are made without difficulty at \$18.00 up to \$20.00 lb. on spot. Large sales are not being made for there is not enough to sell. Of course, consumers have cut down purchases to the irreducible minimum in view of the present price and are using every means possible to eke out their stocks until Fall and new crop. Substitutes are moving well. The country continues to hold off on quoting and are giving out little information on the progress of the crop.

Oil Sandalwood—Mysore oil in original packages at \$7.00 lb. spot and firm thereat. Other oil at \$6.90.

Oil Spearmint—Sales of spearmint have been made during the week in drums at \$5.50 lb. spot. Cases are quoted at \$5.75. This compares with \$5.00 last week and \$4.00 the week previous.

Oil Wormseed—Little change in the position. Demand is quiet and prices are unchanged at \$3.10@3.15 lb. A firm order can secure spot oil at \$3.05 still, reports indicate.

Aromatic Chemicals

Coumarin—Demand continues steady with contract deliveries in good volume reported. Price from makers at \$3.25 lb. with outside goods at the same figure.

Benzaldehyde—American makers of U.S.P. \$1.30; free from chlorine at \$1.50 lb. Imported goods, quality unknown factor, at \$1.00 or less as to sample.

Menthol—Sales have been made this week at \$10.75, but for small lots only. The main factor names \$11.00 for cases; \$11.00@11.25 for less. This leaves practically no margin when compared with replacements. Competition on spot continues to hold prices down.

Vanilla Beans

Position is unchanged and not altogether firm in spite of quoted prices at the same levels. Demand is limited. Mexicans at \$9.50@10.00 lb. Bourbons \$.850@9.00. Tahitis \$7.50@8.00 lb.

LEMON JUICE IN STRONG DEMAND

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Italy, June 8—The requests for lemon juice are very strong, and those having stocks of the product are making good profits. The lower value of the lira (25 lire equal \$1, 124 lire equal £1 sterling, 6 lire equal one gold mark) is in favor of American, British and German buyers, and if they had not to deal with merchants slow in making a decision, they would have bought out the market by this time. Sweet orange oil is in demand only from time to time. Bitter orange oil in steady request, although only for small lots. Mandarin oil is almost entirely neglected, and the prices made from time to time are only nominal. Bergamot oil is in quite satisfactory demand, and the sellers are making very fair contracts for future delivery. The following table shows the fluctuations in prices per Sicilian pound in May:

	May 16 Lire	May 23 Lire	May 28 Lire
Lemon juice	11.25-11.50	12-13	12-13
Sweet orange	31.50-32	31-32	31-32
Bitter orange	29-29.50	28.50-29	28-29
Mandarin	79-80	79-80	79-80
Bergamot oil	55.50-56	55-56.50	55-56

The Italian market for synthetic aromatics is somewhat weaker with several declines in price noted. Quotations on leading items are as follows: Benzyl acetate, 45 lire; terpenyl acetate, 70 lire; benzyl alcohol, 40 lire; liquid artificial amber, 300 lire; carvol, 600 lire; citral, 180 lire; citrene, 32 lire; citronellol, 220 lire; crystallized heliotropin, 120 lire; eucalyptol 65 lire; eugenol, 180 lire; limonene, 70 lire; neroline, 35 lire; saphrol, 35 lire; terpineol, 35 lire; thymol 240 lire; vanillin, 100%, 350 lire; wintergreen, 36 lire; yara yara, 40 lire.

Portugal's stamp tax law of 1924 has been amended so that the tax on medicinal waters to the amount of 500 c.c. or less is 0.02 escudos; syrups of all kinds up to 250 c.c., 0.02 escudos; and on perfumes and toilet articles whose sale price is from 3 to 10 escudos, the tax is 0.03 escudos with 0.02 escudos for each 10 escudos value when the sale price is greater than the above amount.

MANY ESSENTIAL OILS SCARCE

Bergamot, Sweet Orange, Bitter Orange and Mandarin Available Only in Small Lots

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, June 8—Essential oils other than lemon juice oils, mandarin, bergamot, sweet orange and bitter orange are only available in small quantities. Some demand is noted for angelica root oil. Angelica seed oil is in less demand, owing to the higher price. Although the uncertain political conditions in China ought to have brought a rise in anis oil, just the contrary took place through lack of demand. Arrivals from Sicily and Calabria of essence of orange flowers were sold with difficulty, and this was also the case with Bay S. Thomas. Blue chamomiles have suffered a strong reduction. Chinese cinnamon, although still quoted at high prices, finds a fair sale, while Italian lavender oil, owing to the small importations of the French product could find sale even at much higher prices. Piedmontese peppermint oil maintained its price. Calabrian lime juice fell considerably in price, but only small lots could be disposed of and principally to foreign buyers. Mustard seed oil is in very satisfactory request by consumers. Quotations are as follows per kilo:

Angelica root, 1,000 lire; angelica seeds, 1,600 lire; anis, 46 lire; orange flower, 3,800 lire; basilicum, 850 lire; artificial bergamot oil, 120 lire; cajuput, 50 lire; Roman chamomiles, 1,800 lire; Ceylon cinnamon, 380 lire; Ceylon cardamom, 2,000 lire; Cedar fruits, 80 lire; Ceylon citronel, 58 lire; eucalyptus, 42 lire; fennel, 70 lire; cloves, 145 lire; African geranium, 400 lire; juniper, 80 lire; Piedmontese peppermint, 460 lire; Italian petit grain, 280 lire; Italian rosemary, 30 lire; mustard seed, 295 lire; artificial wintergreen, 38 lire; ylang ylang, 700 lire.

Through recent arrangements a custom duty of 1.50 gold lire was placed on the imported essential oils, anethole, angelica, anis, orange, absynth, Canadian balsam, bergamot, cajuput, chamomiles, camphor, cinnamon, cardamom, cloves, citronella, coriander, eucalyptus, orange flowers, geranium, juniper, lavender, cedar wood, lemongrass, lemon, mandarin, mint, neroli, nutmeg, petit grain, rosemary, sassafras, mustard seed, thyme, violets, wintergreen and ylang ylang.

CITRONELLA PRICE ADVANCING

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Batavia, Java, May 28—Oil citronella parcels were offered at florins 4.35 in April and small demand prevailed at florins 4.25 per kilo, whereas July-December was offered at florins 4.10 without buyers. Later in the month, however, the undertone was stronger and prices higher under larger foreign demand. Sales were satisfactory. January-December 1926 delivery was done at prices ranging from florins 3.35 up to florins 3.50. There were also buyers for April-May shipment at florins 4.35; May-June at florins 4.30, but holders asked florins 0.10 more. During the last two weeks of the period exporters came into the market again for January-December, 1926, at florins 3.80. Holders, however, being not inclined to push sales at quoted levels. The month closed with prices advancing under influence of a fair demand that was filled with increasing difficulty.

The Paris office of Hugues Aine (Charabot & Co.), leading French producers of floral essences, and represented in the United States and Canada by Ungerer & Co., New York, has been moved from 22 Place de la Madeleine to 22 Rue de l'Arcade.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical, and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrines, sizes, and starches; fertilizer materials; accelerators and solvents, and miscellaneous products. Crude Drugs, including barks, herbs, roots, etc. Essential Oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallow, greases, and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available,

and indicated as such. Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. or ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20	American Gallons
1 American Gallon	—	.833 Imperial Gallon
1 American Gallon	—	3.79 Liters
1 Liter	—	.264 American Gallon
1 American Gallon (Water)	—	8.35 Pounds
1 Pound (Avoirdupois)	—	.454 Kilogram
1 Kilogram	—	2.20 Pounds

Style and Arrangement Copyright by DRUG & CHEMICAL MARKETS, 1922

Chemicals

ACETANILID, tech 150 lb bbls. . . . .	.36	.38
100 lb kegs. . . . .	.27	.30
USP, 300 lb bbls. . . . .	.35	.37
Second Hands . . . . .	.35	.36
Acetic Anhydride		
85-95%, 107 lb chys. . . . .	.38	.40
90-95%, 100 lb chys. . . . .	.41	.45
CP, 100 lb chys. . . . .	.75	.80
Acetone, CP 700 lb drs c/wks. . . . .	.12	.13
700 lb drs c/l wks. . . . .	.13	.13 1/2
350 lb drs c/l wks. . . . .	.14	
Tank cars, wks. . . . .	.12	
Acetone, 50 gal drums . . . . .	.37 1/2	.40
Acetone Oils, light, drs. wks.	1.40	1.45
Heavy, drs. wks.	1.40	1.45
Acetophenidin, 225 lb bbls.	1.80	1.90
Acetyl Chloride, 100 lb chys. . . . .	.33	.35
ACID, 1, 2, 4, 250 lb bbls.		1.30
Acetic, 28%, 400 lb bbls, c/l wks.		3.00
28%, 1 c/l wks.		3.35
55%, c/l wks.		5.60
55%, 1 c/l wks.		5.85
70%, bbls, c/l wks.		6.89
70%, 1 c/l wks.		7.14
80% coml. bbls, c/l wks.		7.73
80% coml. 1 c/l wks.		8.08
80% pure bbls, c/l wks.		8.72
80% pure 1 c/l wks.		8.87
Glacial, bbls, c/l wks.		10.67
Glacial, 1 c/l wks.		10.82
Glacial, USP chys, wks.		11.32
Amthylalicylin, 235 lb bbls. . . . .	.75	.80
Second Hands . . . . .	.70	.72
Anthranilic, tech. drs. . . . .	.80	
99-100%, 100 lb drs. . . . .	.98	1.00
Boric acid, tech, 100 lb bbls. . . . .	.85	
Tech. 500 lbs bbls. . . . .	.80	
USP, 100 lb bbls. . . . .	.69	.70
Second Hands . . . . .	.68	.67
Boric, crys. powd 250 lb bbls. . . . .	.09 1/2	
Kegs, 100 lb . . . . .	.10	.10 1/2
Resorcinol, 250 lb bbls.	1.35	

ACID		
Butyric, 80% pure, 5 lb bot. . . . .	.55	.59
90% . . . . .	.70	.75
C.P. 10 lb bot.	1.25	1.50
Camphoric USP, VIII 1 lb bot.	5.50	6.70
Carbolic, USP crys. see also Phenol		
112 lb tins . . . . .	.38	.37
25 lb tins . . . . .	.38	.39
5 lb tins or bot. . . . .	.30	.32
1 lb bot. . . . .	.35	.36
Liquid USP, 1 lb bot. . . . .	.34	.35
Crude, 35% 50 gal. bbls. . . . .	.33	.35
10%, 50 gal. bbls. . . . .	.37	.39
Carbonic, see Carbon Dioxide		
Chloroacetic.		
Mono 100 lb bbls. wks. . . . .		.25
DI, 150 lb chys. wks.		1.00
Tri, 5 lb bot.		2.50
Chloroformic, 1500 lb drs. wks. . . . .	.15	.16
Chromic, USP, 200 lb drums. . . . .		.37
85% Pure, 200 lb drums. . . . .		.35
Chromotropic, 300 lb bbls.		1.35
Chrysanthic, see Chrysanthol		
Cinnamic, 5 lb can.	3.25	3.50
CITRIC, USP, crys, 250 lb bbls. . . . .		.45 1/2
Powd., USP, 200 lb bbls. . . . .		.44 1/2
Imported crys. 112 lb kegs. . . . .	.46	.47 1/2
Single kegs . . . . .		.47
Cloves, 250 lb bbls. . . . .	.95	.97
Crylic, 95% dark dr. NY. . . . .	.59	.62
97-99% pale, drs NY. . . . .	.57	.60
Crude, coml. drs.		
Dithyrosarbitric, Dom., 25 lb lots 1 lb bot.	8.00	9.00
Imp., 10 lb lots	4.00	4.15
Formic, 85% tech, 140 lb chys. . . . .	.10 1/2	.11
80% 80 lb chys, incl. . . . .	.11	.11 1/2
Gallie, USP, 150 lb bbls. . . . .		.65
Glyceric, 225 lb bbls. wks.	1.40	1.45
Glycerophosphoric, 25% 1 lb bot.	1.85	1.95
H 225 lb bbls. wks. . . . .	.68	.72
Hydrochloric, 10% USP 5 lb bot. . . . .	.65	.70

ACID (Cont.)		
Hydrobromic, 48% coml. 155 lb chys. wks. . . . .	.45	.48
48% coml., 10 chys. wks. . . . .		.45
48% USP, 155 lb chys. wks. . . . .		.55
10% USP, 100 lb chys. wks. . . . .		.13
Hydrochloric, see also Acid Muriatic		
CP, USP, 110 lb chys. . . . .	.07	.08
Hydrocyanic, wks, cpl. . . . .	.90	1.00
HYDROFLUORIC, 30% 400 lb bbls. wks. . . . .		.06
30% 100 lb chys. wks. . . . .		.08
48% single 100 lb chys. wks. . . . .		.10
52% 100 lb chys. wks. . . . .		.12
52% 10 chys. wks. . . . .		.11
60% 100 lb chys. wks. . . . .		.14
60% 300 lb drs. wks. . . . .		.13
White Acid, 100 lb chys. wks. . . . .		.24
White Acid, 10 chys. wks. . . . .		.25
Hydrofluosulfic, 35% 450 lb bbls. wks. . . . .	.10	.12
Hypophosphorous, USP 30% 5 gal. dems. . . . .		.35
USP, 10% 5 gal. dems. . . . .		.36
LACTIC, 22% dark 500 lb bbls. . . . .	.05 1/2	.06
22% light, bbls. . . . .	.06 1/2	.07
44% dark, bbls. . . . .	.11	.11
44% light, bbls. . . . .	.13	.13 1/2
66% dark, bbls. . . . .	.18	.18 1/2
66% light, bbls. . . . .	.26	.27
USP, IX 100 lb chys. . . . .		.70
USP, VIII 100 lb chys. . . . .		.59
Laurent's, 250 lb bbls. . . . .	.80	.86
Metanilic, 250 lb bbls. . . . .	.60	.65
Metanilic, 250 lb bbls.		
Drums, wks.	N Unit	.07 1/2
Tank cars, wks.	N Unit	.01 1/2
Tank cars, wks.	N Unit	.06 1/2
Tank cars, wks.	N Unit	.008
Molybdic, 85% pure 100 lb kegs.	1.25	1.30
100% C. P. 100 lb kegs.	1.30	1.35
Manganiferous F. Dole. 50 lb tins	1.75	1.90

Chloride of Silver

Nitrate of Silver

Two C.P. and U.S.P. Products



Manufactured at Cooper's Newark plant since 1857.
We can supply immediate or future requirements and
solicit your inquiries.

*Manufacturing
Chemists
Since 1857*

CHAS. COOPER & CO.
192 Worth Street, New York

*Works
NEWARK,
N. J.*



"MENTHOL-Y"

(Reg. U. S. Pat. Off.)

**Chemically Identical
with
Japanese MENTHOL**

Write us for price and sample

**THE NEW YORK QUININE AND
CHEMICAL WORKS, INC.**

152 WILLIAM STREET, NEW YORK
Western Depot: 18 SO. B'WAY, ST. LOUIS
Laboratories: 99-117 North 11th Street, Brooklyn, N. Y.

P-W-R

Bismuth Preparations Bromides

Codeine and Salts

Creosote Creosote Carbonate Ether Iodides

Calomel and other Mercurials

Acid Citric and Citrates Chloroform

Morphine Sulphate and other Morphine Salts

Opium Hypophosphites Phenolsulphonates

Quinine Sulphate and other Quinine Salts

Salicylates Silver Salts Strychnine

WRITE FOR CATALOG OF OUR ENTIRE LIST

POWERS-WEIGHTMAN-ROSENGARTEN CO.

MANUFACTURING CHEMISTS

New York PHILADELPHIA St. Louis

BUTANOL

Research has already opened wide outlets for our products in the
Lacquer, Cellulose and Rubber fields.

Undoubtedly the solvent power, blenging effect or some other character-
istic of BUTANOL, ACETONE or derivatives of these products, will make
these relatively new materials useful in many other fields.

Why not use our RESEARCH DEPARTMENT to investigate? If un-
successful, you lose nothing; if successful, we both benefit.

Commercial Solvents Corporation

17 East 42nd St.,
NEW YORK, N. Y.

SALES OFFICES:

TERRE HAUTE, IND.

Plants:—Terre Haute, Indiana and Peoria, Illinois

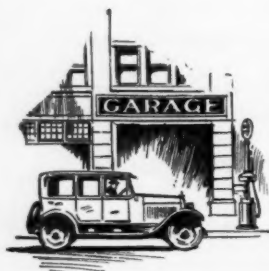
10a, Featherstone Bldgs.,
High Holborn, W. C. 1,
LONDON, ENGLAND

Chemicals

ACID			ACID			ACID		
MURIATIC, 30° chys. 1c/l			Picric, 450 lb bbls.	.28	.37	Tungstic, 100 lb bags	1.00	1.00
via.	100 lb	1.60 : 1.70	Ebbs. car lots. via.		.25	Valeric, C. P., 10 lb bot.	2.50	2.75
Chys. c/l via.	100 lb	1.35	Pyrogallie, crys. 5 lb cans.	1.25	1.30	Aconitine Alk. crys. 1 oz. via.		30.00
Tank cars, via.	100 lb	1.00	Resublimed, 5 lb cans.	1.50	1.60	Amorphous, 1 cu via.		30.00
18°, 120 lb chys.			Tech. powd., 200 lb bbls.		.35	Adeps Lanne, hydrous 350 lb bbls.	.13	.21
c/l via.	100 lb	1.25	Salicylic, tech., 125 lb bbls.	.32	.34	Anhydrous, 350 lb bbls.	.18	.23
Tank cars, via. net ton			USP, 100 lb bbls.	.34	.35	Albumen, Egg. edible	1.20	1.25
22°, 120 lb chys.			Second Hands	.33	.34	Tech. 100 lb drs	.95	1.15
c/l via.	100 lb	1.35	Sulfanilic, 250 lb bbls.	.15	.18	Blood 225 lb bbl.	.48	.50
Muriatic, CP & USP, see Acid Hydrochloric			SULFURIC, 66° 180 lb chys.	1.50	1.55	Vegetable	.60	.65
Naphthionic, tech. 250 lb bbls			1c/l via.	100 lb	1.25	ALCOHOL, USP, 190 pf. 50 gal.		
Reduced, single bbls		.55 : .59	Chys., c/l via.	100 lb	1.25	bbls.	4.90	5.00
Neville & Winter's, 250 lb			1500 lb Drums, 1c/l			Second Hands, bbls, USP 190		
bbls.	1.00	1.05	was	100 lb	1.10	pf.		
NITRIC, 36°, 135 lb			Drums, c/l via.	100 lb	.80	Export, USP, 190 pf.	.60	.85
Chys. 1c/l via.	100 lb	4.75 : 5.00	Tank cars, via. net ton		14.00	Cologne Spirit, 50 gal. bbls.	5.00	5.10
Chys. c/l via.	100 lb	4.50 : 4.75	60° 1500 lb Drums			WSPB, see Methanol		
38° 1c/l chys. via.	100 lb	5.25 : 5.75	1c/l via.	100 lb	1.00	Alcohols also in 50 gal.		
Chys., c/l via.	100 lb	5.00 : 5.25	Drums, c/l via.	100 lb	.80	drums extra and returnable		
40° 1c/l chys. via.	100 lb	5.75 : 6.00	Tank cars, via. net ton	9.50	10.00	Butyl, 50 gal. drs. via, c/l.	.24%	.25%
Chys., c/l via.	100 lb	5.50 : 5.75	C.P. 175 lb chys.	.07	.08	Drums, 1c/l via.	.25%	.26%
42° 1c/l chys., via.	100 lb	6.25 : 6.75	Oleum 20 p.c. 1500 lb drums		1.40	Tank cars, via.	.24%	.25%
Chys., c/l via.	100 lb	6.00 : 6.25	1c/l via.	100 lb	1.15	Isobutyl, crude, 50 gal. drs.		
C. P. chys. single via.	100 lb	.12 : .13	Drums, c/l via.	100 lb	17.00	Refined, 10 lb can.		
Orslic, 300 lb bbls., via.		.10% : .11	Tank cars, via. net ton		40.00	Isopropyl, Refined, 90-91%,		
Bbls., NY		.10% : .11	Oleum, 40% drs 1c/l via. net ton		60.00	50 gal. drs.	1.00	1.25
Keps, 100 lb NY		.11% : .11%	Oleum, 60% drs., 1c/l via. net		70.00	Ref'd, 98-99%, drs.	1.25	1.50
Imp, 500 lb cans		.11 : .11%	Sulfuric, USP 6% 100 lb chys.	.05	.06	Propyl. nml. crd. 50 gal. drs.		4.40
Phenylchloride, domestic		9.20 : 9.60	4% 100 lb chys.	.04	.05	Refined, 10 lb cans		.75
Imported, 5 lb		6.00 : 6.25	USP, 5 gal. dems.	.06	.08	Denatured		
Phosphoric, 50% tech. 150 lb			Tannic, tech. 300 lb bbls.	.30	.40	No. 1, Complete Denat. 190 Proof		
chys.		.07 : .07%	USP, powd. 200 lb bbls.	.75	.80	50 gal. bbl. incl.	.61%	.63%
Drums, c/l via.	100 lb	.80	USP, fluffy, 50 lb bbls.	.75	.80	Car lots		.50%
dems.		.15 : .17	Tartaric, USP, crys. 300 lb bbls.		.29	50 gal. drums, extra.		.54%
Imported		.16%	USP, powd. 300 lb bbls.		.29	Car lots		.50%
Second Hands		.15 : .16	Imp. USP, 240 lb bbls.	.27%	.29	No. 1, Special Denat. 190 Proof		
Phthalic, see Phthalic Anhydride			Powd., 240 lb bbls.	.28	.28%	50 gal. bbl. incl.	.60%	.62%
Picramic, 300 lb bbls.		.50	Tobias, 250 lb bbls.		.85	Car lots		.58%



- The Lacquer Finish for Automobiles



The obstacles that handicapped the perfection of lacquer finishes have been overcome in Mecco-Lite. This new, scientific finish meets every demand in the finishing of metal and wood. It is unique in its ability to impart permanent beauty and lasting protection.

With Mecco-Lite you may secure either a soft, satin finish or a brilliant gloss in every popular shade.

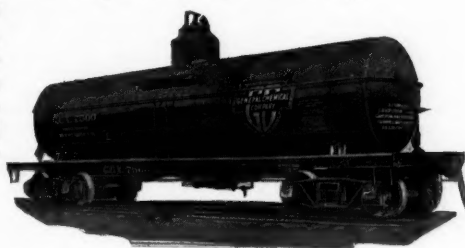
The Miner Edgar Company
 Rail and Water Facilities
 110 William Street
 New York



SULPHURIC ACID

Oil of Vitriol-Oleum-Mixed Acid-Battery Acid

General Chemical Company Tank Cars are an important part of the Service we offer the user of bulk chemicals. They are carefully maintained, under constant supervision, systematically traced en route, and kept available for immediate use. They are a part of the organization and system which make GENERAL CHEMICAL COMPANY and promptness in delivery synonymous.



SODIUM SILICATE

ALUMINUM SULPHATE

GLAUBERS SALT

DI SODIUM PHOSPHATE

ACETIC ACID
*Commercial, Redistilled
Pure and Glacial*

MURIATIC ACID
Hydrochloric Acid

SODIUM SULPHIDE
Chip Patented

ANHYDROUS
BISULPHITE SODA

NITRIC ACID

TRI SODIUM PHOSPHATE

INSECTICIDES

CHEMICALLY PURE ACIDS AND AMMONIA

GENERAL CHEMICAL COMPANY

40 Rector Street, New York

Cable Address: Lycurgus, N. Y.

Baltimore

Buffalo

Chicago

Cleveland

Denver

Easton

Los Angeles

Philadelphia

Pittsburgh

Providence

San Francisco

St. Louis

The Nichols Chemical Co., Ltd., Montreal

Chemicals

ALUMINUM, DENAT. (Cont.)

50 gal. drums, extra.....gal	.52½	.54½
Car lots .....gal		.50½
No. 5, Complete Denat. 188 Proof		
50 gal. bbl. incl. ....gal		.54½
Car lots .....gal		.52½
50 gal. drums, Extra .....gal		.47½
Car lots .....gal		.45½
No. 6, Complete Denat. 188 Proof		
50 gal. bbls. incl. ....gal		.53½
Car lots .....gal		.51½
50 gal. drums, extra .....gal		.46½
Car lots .....gal		.44½

In addition to the regular authorized formulas for completely denatured alcohol, some 75 formulas for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulas in products authorized by the Dept. of Internal Revenue.

Alcolin, USP, 100 lb. casks.....lb	.85	.88
Alpha-Naphthol crude 300 lb. bbls. lb		.45
Refined .....lb	.85	.90
Alpha-Naphthylamine, 350 lb. bbls. lb	.35	.37
Ten lots, bbls. wks.....lb		.35

ALUM, Ammonia, lump 400 lb. bbls.

wks. lc/l .....lb	3.15	3.50
Imp., 500 lb. casks .....100 lb		
Ground, 400 lb. bbls. wks.100 lb	3.30	3.75
Powd. 380 lb. bbls. wks.100 lb	3.55	3.90
Chrome, 500 lb. cks. wks.100 lb	5.25	5.50
Potash, lump 400 lb. bbls.		
wks. ....100 lb	3.50	3.75
Bbls., c/l wks. ....100 lb	3.35	3.40
Ground, 400 lb. bbls. wks.100 lb	3.50	3.85

ALUMS, Potash (Cont.)

Imp., 350 casks.....100 lb		2.75
Powd., 380 lb. bbls. wks.100 lb	4.00	4.50
Chrome, 500 lb. cks. wks.100 lb	5.25	5.50
Soda grd. 400 lb. bbls. wks.100 lb		3.75
Bbls. c/l wks. ....100 lb		3.50
Aluminum, metal, c/l NY.100 lb	27.00	28.00
Chloride, anhyd. 275 lb. drs. lb	.20	.22
Crystals, 375 lb. bbls. ....lb		.06½
30% sol. 120 lb. cbs. ....lb		.08½
Hydrate 96% light 90 lb. bbls. lb	.17	.18
Heavy 62-64%, 220 lb. bbls. lb	.08	.08½
400 lb. bbls. wks. ....lb		.06½
Stearate, 100 lb. bbls. ....lb		.21½
SULFATE, Iron-free bags c/l		
wks. ....100 lb	2.00	2.10
Bbls., c/l wks. ....100 lb	2.15	2.25
Imported, spot .....100 lb	1.70	1.75
Comm'l. ¾% iron bgs c/l		
wks. ....East.100 lb		1.40
Cont. bgs c/l wks. E.100 lb	1.35	1.40
Bags, c/l wks. W. ....100 lb		1.40
Bbls., c/l wks. East. ....100 lb		1.55
Bulk, c/l cont. wks. E.100 lb		1.50

Amidol (see Diaminophenol)

Amidopyrine, Imp., 10 lb. boxes.....lb		
Domestic, 10 lb. boxes .....lb	4.60	4.75
Aminooazobenzene, 110 lb. kgs. ....lb		1.15

AMMONIA, anhyd. 100 lb. cyls.

Water, 26° 800 lb. drs. wks.....lb		.06½
Dra. c/l wks. ....lb		.06½
C.P., cbs. ....lb		.12
Imp., 800 lb. drs. incl. spot. lb		.06½
26° 100 lb. cbs. lc/l wks. ....lb		.08½
Chys., c/l wks. ....lb		.08½
20° 800 lb. drs. c/l wks. ....lb		.04½
Chys. lc/l wks. ....lb		.05½
18° 800 lb. drs. c/l wks. ....lb		.04½
Chys. lc/l wks. ....lb		.04½

AMMONIA (Cont.)

18° 800 lb. drs. c/l wks. ....lb		.03%
Chys., lc/l wks. ....lb		.04
Ammonium Acetate, 100 lb. kgs. lb		.43
Benzonate, USP, 1 lb. bot. ....lb		1.27
Bifluoride, 300 lb. bbls. ....lb	.21	.23
100 lb. kgs. ....lb	.23	.23
Bromide, 450 lb. bbls., 50 lb. bxs. lb	.53	.54
Imported, 112 lb. boxes.....lb	51	.52
Shipment .....lb		.52
Carb., tech. 560 lb. casks.....lb	.08½	.09
Powd., tech. 385 lb. bbls. lb	.07½	.08
USP, lump, 100 lb. kgs. ....lb	.12	.12½
Powd., 100 lb. kgs. ....lb	.13	.13½
Chloride, Domestic		
White, 250 lb. bbls., c/l.....lb		.07
250 lb. bbls., lc/l wks. ....lb	.07½	.07½
Imported white 600 lb. casks spot.	.05½	.05½
Gray, 250 lb. bbls., wks. ....lb		.07½
Bbls., c/l wks. ....lb		.07½
Imported gray 250 lb. casks.....lb	.06½	.07
Lump, 500 lb. casks spot.....lb	.12	.12½
Iothiolate, as to brand.....lb	4.85	5.00
Iodide, USP, 25 lb. jars.....lb		5.20
Lactate, 500 lb. bbls. ....lb	.15	.16
Nitrate, tech., crys., 225 lb. bbls. lb		
Refined Crystals, bbls. ....lb	.21	.23
CP gran. 100 lb. kgs. ....lb	.35	.37
Oxalate, pure, 100 lb. kgs. ....lb	.35	.37
Persulfate, 220 lb. bbls. ....lb	.28	.28
Phosphate, dibasic 200 lb. bbls. lb		.38
Tech. powd. 325 lb. bbls. ....lb		.18
Phosphate, mono, 325 lb. bbls. lb	.12	.12½
Salicylate USP, 100 lb. kgs. ....lb	.75	.80
Sulfate bulk c/l wks. ....100 lb	2.60	2.65
200 lb. single bgs. c/l wks.100 lb		2.90
200 lb. double bgs f a s 100 lb		2.55
Sulfocyanide, tech., 100 lb. kgs. lb	.40	.45
CP, 25 lb. jars .....lb	.50	.55
Amyl Acetate, tech. 50 gal. drs. gal	2.70	2.80
Refined, 50 gal. drums.....gal	3.50	4.00
Alcohol, see Fuel oil		

ACETIC ACID

VARIOUS STRENGTHS



GRASSELLI has been manufacturing chemicals since 1839. The name, well known to every chemical using industry, is established assurance for you of

- unvarying quality
- promptest shipments
- uniform courtesy

THE GRASSELLI CHEMICAL CO.
CLEVELAND, OHIO

Established 1839

New York Office and Export Office
317 Madison Avenue, Corner 45th St.

Branches and Warehouses:

Albany	Cincinnati	New York
Birmingham	Detroit	Paterson, N. J.
Boston	New Haven	Philadelphia
Chicago	New Orleans	St. Louis
Milwaukee	St. Paul	

GRASSELLI GRADE

A Standard Held High for 86 Years

Chemicals

ANILINE OIL, 990 lb drums....lb	.16	.17	BARIUM BINOXIDE, see Barium chloride			Benzol, see Benzene		
Aniline Salt, 200 lb bbls....lb	.20	.22	Carbonate, precip., 300 lb bbls.			Benzonaphthol, 5 lb boxes.....lb	3.50	3.60
Annatto, fine.....lb	.41	.43	wks.....ton	58.00	58.00	Benzoyl Chloride, 500 lb drs....lb		1.00
Anthracene 80-85% 600 lb cases			Precip., 200 lb bgs, wks, ton	54.00	56.00	Benzyl Acetate, 100 lb chys....lb	1.55	1.75
wks.....lb	.65	.70	Imports bags, NY.....ton	48.00	50.00	Alcohol, 5 lb bot.....lb	1.45	1.55
Anthraquinone, subli 125 lb bbls lb	1.00	1.15	Chloride, 800 lb bbls, wks.....ton	64.00	65.00	Benzoate, 5 lb bot.....lb	1.60	1.75
Antimony metal, slabs ton lots..lb	.16	.16%	200 lb bgs, wks.....ton	63.00	64.00	Medicinal FFC.....lb	1.75	2.00
Needle Powd., 100 lb cases...lb	.15%	.18	Imports, large crystals, bbls..			Chloride, 95% tech. 925 lb drs..lb	.25	.25
ANTIMONY CHLORIDE, anhyd 1000 lb			spot.....ton	61.00	62.00	100 lb chys.....lb	.25	.30
dra.....lb	.35		Small crystals.....ton	60.00	61.00	Redistil. 160 lb chys....lb	.30	.35
50 lb crocks.....lb	.45	.48	Dioxide, 88% 690 lb drs....lb	.13	.13%	Formate, 1 lb bot.....lb	3.25	3.50
Sol'n, 130 lb carboys 33°..lb	.06		Import, 88-98% 400 lb drs..lb	.13	.13%	Berberine Hydrochloride, 1 lb bot....lb	.22	.50
Oxide, 500 lb bbls.....lb	.17		Hydrate, 500 lb bbls.....lb	.04%	.05	Sulfate, acid or neut. 1 lb bot..lb	.22	.50
Salt, dom. 500 lb bbls.....lb	.26		Iodide, 5 lb box.....lb	.51		BETA-NAPHTHOL, 350 lb bbls.wkslb	.24	.25
Imp. NY.....lb	.26		Nitrate, 700 lb cases.....lb	.10		Carlots, wks.....lb	.23	
Sulfuret, golden 500 lb bbls..lb	.20		Imports cases.....lb	.07%	.08	Sublimed.....lb	.55	.60
330 lb kegs.....lb	.23	.23	Sulfocyanide, 600 lb bbls.....lb	.28	.30	Beta-Naphthylamine, tech. 200 lb		
Crimson, 500 lb bbls.....lb	.48	.55	Barwood, chips.....lb	.04%	.05	bbls.....lb	.63	.67
330 lb kegs.....lb	.50	.57	Barytes, floated 350 lb bbls.wks ton	23.00	24.00	Sublimed, 200 lb bbls.....lb		1.35
Vermilion, 500 lb bbls....lb	.48	.53	Imported.....ton	29.00	33.00	Bichloride Mercury, see Mercury Bichloride		
330 lb kegs.....lb	.50	.60	Crude, c.i.f.....ton		9.00	BISMUTH metal, 100 lb cases..lb	2.00	2.12
Tartraleactate, 500 lb bbls....lb	.45		Bay Rum, Porto Rico, genuine			Second Hands.....lb		2.00
Antipyrine, USP, 100 lb cases..lb	1.75	1.90	Medicated salicyl. acid or tartar			Ammon. Citrate, USP, 5 lb cans..lb		5.30
Apomorphine Hydrochloride, 1/4 oz. vis.oz		22.10	45 gal. bbls.....gal	.90	1.00	Betanaphtholate, 5 lb hxs....lb		2.80
Archil, double 600 lb bbls.....lb	.13	.14	Medicated quinine sulf. 45 gal.			Citrate, USP, 5 lb cans.....lb		2.50
Triple, 600 lb bbls.....lb	.16	.17	bbls.....gal	.90	1.00	Nitrate, 25 lb jars.....lb		1.60
Coccol., 600 lb bbls.....lb	.18	.20	Domestic synthetic, 50 gal.		.77	Oxychloride, 25 lb bxs.....lb		2.95
Arecoline Hydrobromide, 1 oz. vis.oz	8.75	10.25	Bbls.....gal	.75	.77	Phenolsulfonate, 5 lb cans....lb		2.70
Argols, red powd., 350 lb bbls..lb	.06%	.07	St. Thomas			Salicylate, 25 lb hxs.....lb		1.70
Arsenic, metal 220 lb kegs.....lb	.45		Medicated salicyl. acid or tartar			Sulcarbonate, USP, 25 lb bxs....lb		2.85
Red, 224 lb kegs cases.....lb	.12%	.13	emetic, 50 gal bbls...gal	.90	.95	X-Ray diag. 1 lb bot.....lb		3.33
White 220 lb cases to 850 lb			Benzaldehyde, tech. 945 lb drs.			Subgallate, USP, 25 lb bxs....lb		2.20
bbls, NN.....lb	.04%	.04%	wks.....lb	.70	.75	Subiodide, 5 lb lots.....lb		4.05
Asbestos, c/1.....ton	18.00	18.00	USP, 40 lb chys.....lb	1.30	1.40	Subnitrate, USP, 25 lb jars....lb		2.25
1c/1.....ton	20.00	22.00	FFC, 40 lb chys.....lb	1.40	1.50	Second Hands.....lb		2.00
Aspirin, see Acid acetylsalicylic			BENZENE, 90% 8000 gal. tanks			Cones, 1 lb bot.....lb		3.25
Atropine Alk. USP 1 oz vial....oz	6.50	7.50	wks.....gal		.24	Subsalicylate, USP, 25 bxs....lb		2.50
Sulfate, 5 oz cans.....oz		3.50	110 gal. drs. wks.....gal		.29			
Single ounce.....oz		3.65	Pure Tanks, wks.....gal		.25			
			110 gal. drs. wks.....gal		.30			
			Benzidine Base, dry 250 lb bbls..lb	.75	.76			
			Benzidine Sulfate, paste 850 lb					
			bbls.....lb	.70	.72			

IODINE PREPARATIONS

BISMUTH PREPARATIONS

OUR PRODUCTS OF HIGHEST PURITY
STANDARD HALF A CENTURY

Orders and inquiries solicited

MALLINGRODT CHEMICAL WORKS

ST. LOUIS
MONTREAL

NEW YORK
PHILADELPHIA

Aero Brand

Yellow
Prussiate
of Soda



A new method of production ensures the highest purity, in small crystals as well as large.

Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

Yellow
Prussiate
of Potash

AMERICAN CYANAMID Co.
511 Fifth Avenue New York

EXCLUSIVE SALES AGENTS:

For consumption in United States:
Victor Blagden & Co., Ltd., London
Henry W. Peabody & Co., 17 State St., New York

For shipment to other countries:
Victor Blagden & Co., Ltd., Corporation House, 4 Lloyd's Ave., London.
Cable Address: Blagdenite, London

PRICES CURRENT SECTION

Chemicals

NIGROTH (Continued)

Tannate, 1 lb. bot.	2.25	
above on basis 25 lb. lots.		
Smaller lots at an advance.		
Blanc Fixe, dry 400 lb. bbls. wks. ton	80.00	96.00
Imported, bbls.	70.00	72.00
Paste, 650 lb. bbls.	55.00	65.00
BLEACHING POWDER, 700 lb. dra.		
c/l wks.	100 lb	2.00
Drums, 1c/l ex-warehouse	100 lb	2.35
Contract, c/l wks.	100 lb	1.90
Drums, 1c/l wks.	100 lb	2.15
Imported, spot.	100 lb	1.95
Blood, dried, f.o.b. NY	unit	3.50
Chicago	unit	3.60
See statement, see Mercury	unit	3.90
S. Am. shipment	unit	3.90
Sizes, bronze Chinese, Milord,		
Prussian, Soluble	lb	.83
size Vitriol, see Copper Sulfate		
Bone, S & 50 gr. steam, Chgo unit	ton	32.50
Raw, NY	ton	36.00
Bone Ash, 100 lb. kegs	lb	.06
Black, 200 lb. bbls.	lb	.06
Borax, crys. 400 lb. bbls.	lb	.05%
Powdered, 300 lb. bbls.	lb	.05
Keps, 100-150 lb.	lb	.05%
Bordeaux Mixture, 16% pd. bbls. lb	lb	.11%
Paste, bbls.	lb	.08
Bornol, 1 lb. bot.	lb	3.50
Grimstone, see Sulfur		
(Freight allowed)		
British Gum, cen. c/l	100 lb	5.03
le/l	100 lb	5.13
Potatoe, le/l	lb	.09
Bromide, see potash, bromide, etc.		
Bromide, bot. in 50 lb. ex. wks. lb	lb	.47
Bromochlorine, 600 lb. drums	lb	.40
Bromochlorine, USP 5 lb. bot. ex. lb	lb	1.75
Bromine Alkaloid, 100 oz.	oz	.10
Sulfate, 100 oz.	oz	.10
Butter of Antimony, see Antimony Chloride		
Butyl Acetate, tank cars, wks. gal	gal	2.25
Drums, c/l wks.	gal	2.27

CADMIUM, metal 100 lb. bxs.	lb	.70	.75
Bomide, 50 lb. cases jars	lb	4.20	
Iodide, 10 lb. bot.	lb	4.45	
Sulfide, 10 lb. bot.	lb	1.50	1.60
CAFFEINE ALK, USP 5 lb. cans	lb	2.75	2.80
Second Hand	lb	2.50	2.60
Hydrochloride, 1 lb. bot.	lb	4.05	4.55
Sulfate, 1 lb. bot.	lb	5.40	5.90
Crystallized, 25 lb. cans	lb	2.70	2.80
Hydrobromide, 1 lb. bot.	lb	4.65	4.90
CALCIUM, Acetate, 150 lb. bgs c/l			
100 lb.	lb	2.75	
Arsenate, 100 lb. bbls c/l wks. lb	lb	.07	.08
Bromide, 100 lb. ex.	lb	.60	
Carbide, 220 lb. dr. c-l wks. lb	lb	.04%	
Carbonate tech. 100 lb. bags			
c/l	100 lb	1.00	1.10
USP, precip. 175 lb. bbls.	lb	.06%	
Chloride, solid, 650 lb. dra. c/l			
f.o.b. wks.	ton	21.00	23.00
Imp.	ton	19.00	20.00
Flake, 375 lb. dra. c/l dra. f.o.b.			
wks.	ton	27.00	
Anhyd, 350 lb. dra. f.o.b. NY lb	lb	.18	.20
Glycerophosphate, 250 lb. bbls.	lb	1.40	
Hydrate, see Lime			
Hypophosphite, USP, 25 lb. cans lb	lb	.60	.65
Iodide, 5 lb. bot.	lb	4.40	
Lactate, tech., 500 lb. bbls.	lb	.13%	
USP.	lb	.50	.60
Nitrate 220 lb. bbls c/l NY, ton	ton	50.00	
Phosphate tech. 450 lb. bbls lb	lb	.09	.10
Phosphate, precip. tribasic, 200 lb			
bbls., wks.	lb	.11	.14
Phosphate, mono, 325 lb. bbls. lb	lb	.07	.09
Sulfocarbonate, 100 lb. kegs	lb	.55	.57
CAMPBELL, Amer. ref. 350 lb.			
bbls.	lb	.84	
2 1/2 lb. slabs, 100 lb. ex.	lb	.85%	
1 lb. cakes, 100 lb. ex.	lb	.85%	
1 oz. tab., 1 lb. ex.	lb	.89	
100 lb. ex.	lb	.90	

CAMPBELL (Cont.)

Jap. ref., 2 1/2 lb. slabs, 100 lb			
oz.	lb	.75	
1 oz. tab., 100cs	lb	.90	
tin	lb	.91	
1/2 oz. tab., 100 lb. ex., 1 lb			
tin	lb	.91	
Chinese ref. 2 1/2 lb. slabs 100 lb			
ex.	lb	.54	.56
Crude, 100 lb. ex.	lb	2.30	2.40
Camphor, liniment, bbls	gal	1.85	1.90
Camphor, L-nobrom, 100 lb. ex.	lb	.09	.10
Camwood, chips	gal	.85	.90
Camwood, 50 gal. bbls.	gal	.85	.90
Carbon, 250 lb. bbls.	lb	.06	.06%
Carbon Bisulfide, 500 lb. drs lcl/NY lb	lb	.06	.06%
c/l drums, NY.	lb	.05%	
Carbon Black, c/l wks. bgs.	lb	.07	.08
100-300 lb. cases le/l NY.	lb	.07	.08
Carbon Dioxide, Liquid, 20-25cy. lb			
Carbon Tetrachloride, 1400 lb. dra.			
NY.	lb	.07	.07%
Drums, c/l NY.	lb	.06%	
700 lb. drs, single NY.	lb	.07%	.08
Carbimide, No. 40, 5 lb. boxes	lb	4.50	4.75
Caselin, cubit, 100 lb. kegs	lb	.45	
Tech. Imp, 200 lb. bbls.	lb	.12%	.12%
Tech. Dom.	lb	.13	.14
100 mesh	lb	.16%	.17
Castoreum, 1 lb. boxes	lb	.50	
Caster Oil, USP, 50 gal. bbls.	lb	17	.17%
Cases, 80 lb. 2 tins.	lb	.18	.18%
Tech. see Fixed Oils			
Caustic Potash, see potash, caustic			
Soda, see soda, caustic			
Cellulose Acetate, 100 lb. cases.	lb	2.00	2.50
Cerium Oxalate, USP 100 lb. kegs lb	lb	.35	.38
Chalk, drop 175 lb. bbls.	lb	.04%	.04%
Precip. light 250 lb. ex.	lb	.04%	.04%
Precip. heavy 500 lb. ex.	lb	.03%	.03%
Bulk	ton	5.00	
Precip. English, 7 lb. bags.	lb	.07%	.08%
Precip. heavy 500 lb. ex.	lb	.03%	.03%

Grasselli
Dyestuff Corporation

Plants:
Rensselaer, N. Y.
Grasselli, N. J.

Sole importers of colors
manufactured by the

Farbenfabriken
vorm.

Friedr. Bayer & Co.,
Leverkusen

117 Hudson Street, New York

Boston Providence Philadelphia
Chicago Charlotte San Francisco

Represented in Canada by
Grasselli Dyestuff Corporation, Ltd.
Toronto

Sole Selling Agents:
Essex Aniline Works

Est.

1876

USE
"CAMEL"
DYES

—level dyeing
fast to light—

announcing our

"Sol-Amidine" Colors

a series of Direct Colors
distinctive for fastness

Samples free upon request

Manufactured by

JOHN CAMPBELL & COMPANY

American Dyestuff Manufacturers

75 HUDSON STREET

NEW YORK

Boston

Chicago

Providence

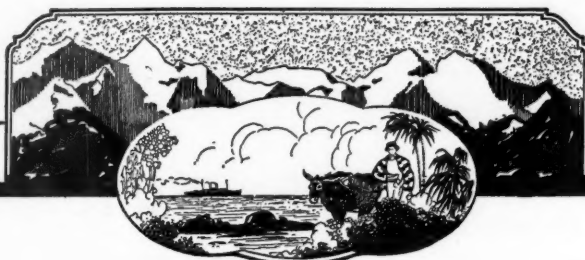
Philadelphia

Charlotte

"STANDARDS EVERYWHERE"

Chemicals

CHARCOAL (Cont.)			Cinchonidin Sulfate, 1000s tin.oz ... : .35			Colchicine alk, USP, 1 oz. vial..ov ... : .30.07		
Wood, powd., 100 lb bbls....D	.04	.05	Besale, 1000 oz. lots.....os ... : .39			Salicylate, 1 oz. vial.....os ... : .15.07		
Willow, powd., 100 lb bbls..D	.05%	.08	Cinchonine alk. powd. 100 oz. tin ... : .43			Collodion USP 30 lb drums.....D ... : .23		
Chestnut, clarified, 25% tin, wtd	.015%	.02	Crystal ... : .25			COPPER metal electrolytic c/l		
Bble, wtd.....D	.02%	.02%	Sulfate, 100 oz. tin.....os ... : .25			NY		
Powd., 60% 100 lb bags, wtd. D	.05%	.05%	Citric Acid, see Acid Citric			Lake c/l NY		
Decolorized, bags, wtd.....D	.08%	.07	Citric Ointment, see Mercury			Casting, c/l NY		
China Clay, Dom.....ton	6.00	9.00	Coal Tar, See Tars			Carbonate, 400 lb bbls.....D ... : .16%		
Washed & Ground, wtd.....ton	11.00	15.00	Cobalt metal, 100 lb kegs.....D 2.50 : 3.00			Chloride, 250 lb bbls.....D ... : .23		
Imp., Filler Clay.....ton	16.00	23.00	Cobalt Oxide, 500 lb bbls.....D ... : 2.10			Cyanide, 100 lb drums.....D ... : .48		
Coating.....ton	20.00	25.00	10 lb tins, 200 lb cases.....D ... : 2.20			Iodide, 5 lb bot.....D ... : 5.68		
Chloral Hydrate, USP 100 lb drs..D	.60	.65	COCAINE alk, USP, 1 oz. vial..os ... : 10.57			Oxide, red 100 lb bbls, ton lotsD ... : .16%		
25 lb jars.....D	.68	.70	Hydrochloride, USP—1 oz. vials,			Sub-Acetate, verd. 440 lb bbls. D ... : .23		
Chinoidin, 140 lb drs.....D	...	.48	25 ozs.....os ... : 8.07			SULFATE, crys. 450 lb bbls. lc/l		
Chloramine-T, 200 lb bbls.....D	1.85	1.50	In 1/2 oz. vials.....os ... : 8.50			spot.....100 lb 4.40 : 4.50		
Chloroform, 5 lb bot.....D	.55	.65	In crystals, granular, powder,			Carlots bbls delivered 100 lb 4.30 : 4.40		
Chlorhydrin, Ethylene anhyd. 600 lb	.75	.85	or flaky crystals as desired.			Carlots bbls F O B NY100 lb 4.30 : 4.40		
40% soln. 100 lb chys.....D	.25	.30	Cocoa Butter, bulk, 200 lb bales			Imp. 550 lb cks spot.....100 lb ... : .		
CHLORINE, Liquid 2000 lb cyl.	...	.04%	c/l.....D .26% : .37			Powdered, 350 lb 5 bbls.....D ... : .		
c/l wtd.....D	...	.04	Fingers, cakes, etc. 12 lb bxs..D .35 : .37			Coppers, bulk, c/l wtd.....ton ... : 13.00		
Tank car lots, wtd. Contract..D	...	.05%	CODEINE, alk., oz. vials, 10 oz.			200 lb bags, c/l wtd.....ton ... : 16.00		
100 lb cyl c/l.....D	.07	.08	lots.....D ... : 9.87			400 lb bbls, c/l wtd.....ton ... : 17.00		
100 lb cyl lc/l wtd.....D	.08	.08	Hydrobromide, 1 oz. vials, 10 oz.			Powdered, bbls.....100 lb 1.90 : 2.00		
100 lb cyl lc/l ex-warehouse..D	...	.08	lots.....os ... : 7.92			Sugar, 400 lb bbls.....100 lb 1.25 : 1.35		
Chlorobenzene, mono. 100 lb drs.	...	.08	Hydrochloride, 1 oz. vials, 10 oz.			Corn Syrup, 42 deg. 50 gal.		
...	...	.08	lots.....os ... : 7.42			bbls.....100 lb ... : 4.36		
Dr. c/l wtd.....D	...	.07%	lots.....os ... : 7.42			43 deg. 50 gal. bbls.....100 lb ... : 4.41		
Tank car lots wtd.....D	...	.07%	Nitrate, 1 oz. via. 10 oz. lots.os ... : 8.87			44 deg. 50 gal bbls.....100 lb ... : 4.48		
CHLOROFORM, USP, 50 lb drs..D	...	.30	Phosphate, 1 oz. via. 10 oz. lots.os ... : 7.42			45 deg. 50 gal bbls.....100 lb ... : 4.55		
Second Hands, 650 lb drs..D	.25	.27	lots.....os ... : 7.42			Corn Sugar, see Glucose		
Technical, 650 lb drums.....D	...	.28	Salicylate, 1 oz. vials, 10 oz.			Cotton Soluble, 100 lb bbls. wet. D .40 : .42		
Chlorophyll, Oil Sol.....D	2.50	2.75	lots.....os ... : 7.42			Cottonseed, Meal, 7%.....ton 33.00 : 35.00		
Water Sol.....D	3.75	4.00	Sulfate, 1 oz. via. 10 oz. lots.os ... : 7.92			Commarin, 25 lb tins 100 lbs. D 3.25 : 3.45		
Chromum Acetate, 20° soln. 400 lb	...	.05%	Small sizes, 1/2 oz. vials, 50c extra,			Second Hands.....D 3.25 : 3.30		
bbls.....D	...	.24	1/4 oz. 30c extra, singles 7c extra			CREAM TARTAR, USP, 300 lb		
Fluoride, Powd., 400 lb bbls..D	.24	.26	per oz.—25 oz lots, 10c oz. cheaper			bbls.....D .22 : .22%		
Chrome, Greens, CP.....D	.26%	.38	than above. Less than 10 ozs. 15c oz.			Imp. powd, USP, 224 bbls..D .21% : .23		
Comm.....D	.08%	.11	higher than above.			Creosote, USP, 42 lb chys.....D .40 : .42		
Chrome, yellow.....D	.18	.20	CODLIVER OIL, Norwegian., 30 gal			Carbonate, 100 lbs., 50 lbs.....D 1.80 : 1.90		
Chrysarobin, Powd., 400 lb bbls. D	5.25	5.35	bbls.....en 36.00 : 37.00			Creosote Oil, 50 gal. drs.....D .20 : .30		
Cinchonidin alk., powd 100 oz. tins.os	...	.60				Cresol, USP, 400 lb drums.....D .20 : .22		
Crystall.....os	.65	.68				Cudbear, English.....D .19 : .20		



FORMIC ACID 85/90%

SODIUM SULPHIDE

Epsom Salts, Tech.
Sal Ammoniac
Barium Chloride

Sodium Sulphide
Bicarbonate Potash, U.S.P.
Glauber Salts

Yellow Prussiate of Potash

EUGENE SUTER & CO., Inc.

160 BROADWAY

NEW YORK

Importers and Exporters of Industrial Chemicals

Manufacturers Agents

BASLE

SWITZERLAND



Cable Address: GENESUTER

Chemicals

Cuten, Bangon, 100 lb bales...D	.32	Uroboline Sulfate, 1 oz. vial...ca	30.07	FERRIC CHLORIDE, tech. crys.	
Burnco, solid, 100 lb bales...D	.03% : .04	eARTH, Diatomaceous, see Kieselguhr		475 lb bbla. ....D	.07% : .10
Liquid, 450 lb bbla. ....D	.09 : .11	Egg Yolk, 150 lb ca. ....D	.48 : .50	Imported	.04% : .05
Tablets, 120 lb boxes ....D	.13 : .14	...etine alk., 15 gr. vial...ca	1.30	C.P. crys. 100 lb bags ....D	.10 : .10
Cyanamide, bulk, c/l wks. Amm. unit	1.87% : 2.00	Hydchlide, USP, 1 oz vial...ca	17.00 : 17.57	Imported	.06 : .06%
Cyclohexanol, see Hexalene		15 gr. vials ....ca	.42	Sol'n Sol'n 42° 140 lb chys...D	.06% : .07
Cymene, See Para-Cymene		EPSON SALT, tech. 300 lb bbla.		140° 140 chys. ....D	.08 : .08%
Dextrin, white corn 140 lb bags.		NY	2.15	USP Sol'n 125 lb chys...D	.06% : .07
q/l ....100 lb	4.82	Sols. c/l NY ....100 lb	1.50 : 1.75	Ferrous Chloride, crys. tech.	
Canary, ....100 lb	4.87	100 bags, c/l NY ....100 lb	1.50 : 1.75	475 lb bbla. ....D	.06 : .06%
bags, le/l ....100 lb	4.82	Imp. 220 lb bags, c/l		Ferrous Sulphide, 1000 lb bbla. 100 lb	2.50 : 3.00
Potato, 220 lb bags, le/l ....D	.08% : .08%	NY	1.23 : 1.28	Fish Scrap, dried wks. ....unit	4.10 & .10
Yellow, 220 lb bags ....D	.08% : .08%	USP, 300 lb bbla. 10 bbla. 100 lb	2.50 : 2.50	w/o Sulf 7 & 3 1/2, Demu	
Tapoca, 200 lb bags, 1/l ....D	.08 : .08%	Carlots, bbla. ....100 lb	2.00 : 2.25	Norfolk & Balt basis, ....unit	4.35 & .50
DIAMINOPHENOL, 100 lb bags ....D	3.80	Imported, 400 lb bbla. ....100 lb	1.85 : 1.90	Pink-White, see lead white	
Diamide, 100 lb bags ....D	3.80	100 lb bags ....100 lb	2.00 : 2.25	Flavine, Lemon ....D	.90 : .95
Dibutyl Phthalate, wks. ....D	.45 : .50	Krogon, Boujean, 1 lb jars ....D	6.00 : 6.34	Orange ....D	.85 : .90
Dichlorobenzene, 1800 lb drums ....D	.06 : .07	Eserine alk., 1 oz. vial...ca	20.07	Fluorapar, 95% 220 lb bags, ex-	
Diethylamine, 850 lb drums ....D	2.25	Salicylate, USP, 1 oz vial...ca	24.00 : 24.50	dock ....ton	25.00
Diethylaniline, 850 lb drums ....D	2.25	Sulfate, USP, VIII, 1 oz vial...ca	18.00 : 18.50	98% bps. ....ton	33.50
Diethylthiophosphoramide 300 lb		ETHER, 1 SP, 55 lb drums ....D	.15 : .14	98% bps. ....ton	35.00
bbla. wks. ....D	1.10 : 1.13	Anaesthesia, 55 lb drums ....D	.19	FORMALDEHYDE, USP 400 lb bbla.	
Diethyl Phthalate, 25 lb cans ....D	.40 : .45	USP, 1880 55 lb drums ....D	.45	c/l wks. ....D	.08% : .09
1000 lbs ....D	.35 : .40	Washed, 55 lb drums ....D	.37	Carbons, 100 lb le/l wks. ....D	.10% : .10%
Diethyl Sulfate tech. 50 gal. drums	.20 : .25	Motor 1 lb cans ....D	.25 : .31	Bbla, 400 lb le/l wks. ....D	.09 : .09%
CF drums ....D	.40 : .50	Ether, Nitrous, 1 lb bot. ....D	.90	Flour ....D	.02% : .04
Digitalin, Pure, 1 oz. vial...ca	9.75 : 10.25	Ethyl Acetate, 99% 50 gal. drums	1.15 : 1.18	Formaline ....D	.38 : .40
Dimethylamine, 840 lb drums wks. ....D	.32 : .34	85% Ester, 100 gal. drums	.87	Fuller's Earth, 300 lb bags, c/l	
Dimethylamine, 400 lb drums ....D	2.80	Carlots, drums ....D	.85	mines ....ton	15.00 : 17.00
Dimethylamine, 100 lb drums ....D	.50	Tanks Cars ....D	1.72 : 1.85	Imported, 230 lb bags, NY ....ton	35.00 : 40.00
Dinitrobenzene, 400 lb bbla. ....D	.14% : .15%	Refined, drums ....D	.40	Purifur, 300 lb bbla. ....D	.23 : .25
Dinitrochlorobenzene, 400 lb bbla. ....D	.15 : .16	Bromide, 115 lb drums ....D	.26 : .35	Fusel Oil, 10% Impurities, drums Gal	2.50 : 2.60
Dinitrochlorine, 300 lb bbla. ....D	.18 : .19	Chloride, 300 lb drums, 15 lb c/l ....D	.27% : .28	Fustic, solid 50 lb boxes ....D	.20 : .25
Dinitrophenol, 350 lb bbla. ....D	.32 : .34	Morphine, see Morphine, Ethyl		Crystals, 100 lb boxes ....D	.20 : .22
Dinitrophenol, 350 lb bbla. ....D	.32 : .35	Ethyl Benzyl Aniline, 300 lb drums	1.05 : 1.10	Liquid, 51°, 800 lb bbla. ....D	.10 : .12
Dinitrophenol, 300 lb bbla. ....D	.18 : .19	Ethylene Bromide, 600 lb drums ....D	.75 : .85	Fustic, sticks ....ton	30.00 : 32.00
Dionin see Morphine, Ethyl		Chlorhydrin, anhyd. 50 gal. drums	.25 : .30	Chaps ....D	.04 : .05
Diorthotolylguanidine, 375 lb		40% Solution, 50 gal. bbla. ....D	.20 : .25	G. SALT, paste 350 lb bbla. baste	.50 : .52
bbla. wks. ....D	1.15	Dichloride, 50 gal. drums ....D	.50 : .60	Gall extract ....D	.20 : .21
Diphertiguanidine, 5,000 lbs.		Glycol ....D	.62 : .65		
100 lbs ....D	.95 : .98	Ethylidenaniline ....D	.60		
Divi Divi Extract ....D	.04 : .04%	Eucalyptol, 25 lb cans ....D	.60		
Divi Divi, pods bags ....ton	55.00 : 55.00	Feldspar, bulk ....ton	30.00 : 35.00		
Dover's Powder, USP 5 lb tin...D	2.20 : 2.30				

Over 50 years Experience and Reputation

JAS. MILLER SON & Co., Ltd.

Glasgow

as Producers and Suppliers of
Coal Tar Products

CRESYLIC ACID 97/99%

HIGH BOILING ACIDS

PYRIDINE

Inquiries Solicited

Sole Agents in U. S. A.

AMERICAN-BRITISH
CHEMICAL SUPPLIES, Inc.

15 EAST 26th ST.

NEW YORK

Room 1505

Telephone: Ashland 2266

1848 1925

FOR THE

TEXTILE INDUSTRY

TERRA ALBA
FOREIGN and DOMESTIC

AGALITE

CHINA CLAY
VARIOUS GRADES OF ENGLISH

TALC

VARIOUS GRADES OF
FOREIGN and DOMESTIC

HAMMILL & GILLESPIE, Inc.

240-242 Front St.

New York City

Chicago Representatives

A. C. DRURY & CO.

106 E. Austin Ave. Tel. Central 2549

Chemicals

Gambier, 25% liq, 450 lb bbls..D	.14	.15	NEMATINE, Paste, 500 lb bbls..D	.09	.12	Iodine Tinct. USP, 50 gal bbls..D	4.50	4.55
Common, 200 lb cases.....D	.19%	.20	Crystals, 400 lb bbls.....D	.13	.30	Carboys.....gal	4.55	4.60
Singapore culms, 150 lb bags..D	..	.25	Hemlock, 25% 600 lb bbls. wks.D	.03%	.03%	Second Hands.....gal	4.50	4.40
Gelatin, USP silver bbl. 100 lb cs.D	.60	.65	Hemlock, bark.....ton	..	30.00	Iodoform, powd., 10 lb bot.....D	..	6.00
Gold Label, 100 cases.....D	..	1.00	Hexalene, 50 gal. dra., wks....gal	..	4.75	Crystals, 10 lb bot.....D	..	6.05
Technical, 100 lb cs.....D	.45	.50	Hexamethylsulfotriamine, USP	..	..	Iridium, metal 10 oz. lots.....oz	..	260.00
GLAUBER'S SALT, tech. 200 lb bags	..	..	100 lb drums.....D	.60	.62	Iron, metal by hydrogen 1 lb bot.D	.80	1.00
c/l wks.,.....100 lb	1.10	1.20	Imported.....D	..	.63	IRSN & AMM. CITRATE, USP 50 lb	..	..
le/l wks.,.....100 lb	1.35	1.45	Rubber Mahon, Impalp. Pd.	..	..	can.....D	..	.69
350 lb bbls., c/l wks.....100 lb	1.35	1.35	dra.....D	.82%	.85	Green scales, 500 lb a.....D	..	.69
Bbls. le/l wks.....100 lb	1.50	1.60	Homatropine Hydrobrom. USP 1 oz.	..	1.65	Cacodylate, 100 lb bot.....D	7.50	7.50
Imported, bags, NY.....D	.85	.90	vials.....oz	..	13.50	Citrate, USP VIII 25 lb cans.D	.94	1.01
USP, 300 lb bbls. Imp. sp.100 lb	..	1.25	Five oz., 1 oz vials.....oz	..	17.07	Chloride, see Ferric or Ferrous	..	..
USP, 300 lb bbls. dom. sp.100 lb	..	1.75	Hydrastine Alk., USP, 1 oz vial.oz	..	18.07	Hypophosphite, 5 lb cans.....D	1.55	1.60
USP, 300 lb bbls. c/l wks.100 lb	..	1.60	Hydchloride, USP, 1 oz vial.oz	..	20.07	Syrup USP 5 lb, bot.....D	.35	.36
Calcined, see Sodium Sulfate	..	..	Sulfate, 1 oz vial.....oz	..	14.57	Iodide, 1 lb bot.....D	..	4.28
Glucose, (Grape Sugar) dry, 100	..	..	Hydrastine Hydchloride, USP 15 gr.	..	..	Syrup, USP, 5 lb bot.....D	.35	.36
70° bags, c/l NY.....100 lb	4.10	4.44	vials.....oz	..	..	Nitrate, keps.....D	.09	.10
Syrup, Dra. & bbls c/INY100 lb	4.16	4.35	Hydrobenzene 100 lb keps.....D	..	..	Com'l, bbls.....100 lb	2.50	3.25
le/l NY.....100 lb	4.36	4.45	HYDROGEN PEROXIDE, 25 vol. 400 lb	..	..	Oxalate scales, 25 lb cans.D	.97	1.00
GLUE, pure white, bbls.....D	.32	.36	bbls.....D	.07	.07%	Oxide, red, Spanish.....D	.03%	.03%
Medium white, bbls.....D	.30	.34	100 vol. 140 lb clys.....D	.34	.37	English.....D	.10	.12
French, bbls.....D	.18	.35	USP Soln. 375 lb bbls.....D	.04	.05	Perchloride, see Ferric Chloride	..	..
High Grade, bbls.....D	.35	.40	100 vol 145 clys.....D	..	.46	& Ammon. Oxalate, 25 lb bbs.D	.07	.40
Bone, regular, bbls.....D	1.00	.12	USP bot. 4 oz. cases.....gross	7.75	8.00	& Potassium Oxalate, 25 lb bbs.D	.41	.44
Fish, bbls.....gal	1.50	1.75	Bot. 8 oz. cases.....gross	11.10	12.00	& Sodium Oxalate, 24 lb bbs.D	.32	.35
Hide bbls.....D	.14	.24	Bot. 16 oz. cases.....gross	18.25	19.00	Phosphate, USP, 50 lb.....D	..	.69
GLYCERIN, C. P. 550 lb drums..D	..	.19	Hydroquinone, 100 lb keps.....D	1.40	1.50	Pyrophosphate, USP, 50 lb.....D	..	.74
Cans, 50 lb.....D	.30	.32	Hyocine Hydrobrom, USP 1 oz.	..	..	JALAP RESIN, lump, 5 lb tins..D	3.75	4.00
Dynamite, 100 lb dra.....D	.18	.18%	vial.....oz	..	13.57	Powd, tins.....D	4.00	4.25
Saponification, tanks.....D	15%	13%	Five oz., 1 oz vial.....oz	13.07	13.57	KIESELGUHR, 95 lb bags NY.....ton	60.00	70.00
Soap, Lye, tanks.....D	..	.12%	Hyocyanine Alk Cryst, 1 oz vial.oz	..	25.07	LANOLIN, see Adeps Lanæ	..	..
Gos Powder, see chrysarobin	..	..	Alkaloid, Amorphous, 1 oz. vial.oz	..	75.07	Larch, 25%, 600 lb bbls., wks..D	.03%	.04
Graphite, crude, 220 lb bags.....ton	15.00	25.00	Hydrobromide, USP, 1 oz vial.oz	..	25.07	Powd., 100 lb bags, wks.....D	.07	.08
Flake, 500 lb bbls.....D	.05	.09	Sulfate, 1 oz vial.....oz	..	25.07	LEAD, white c/I NY.....D	..	.08%
Ground, lump, bbls.....D	.04	.05	Hyperic, 51°, 600 lb bbls.....D	.15	.17	Acetate, metal c/I crystals, 500 lb	..	..
Gualacol liquid, USP, 25 lb cans.D	2.30	2.35	Hyperic, chips.....D	.06%	.07	bbls., wks.....D	.14%	.15
Resinate, 1 lb bot.....D	..	13.00	INDOL. C.P. 1 oz bot.....oz	6.00	6.50	100 to 250 lb keps, wks.D	..	.15%
Carbonate, 5 lb boxes.....D	2.75	3.00	Iodides, see Potam. Iodide, etc.	..	..	White, broken, bbls., wks. 100 lb	14.25	14.75
Second Hands.....D	2.15	2.35	Indigo, Macras, bbls.....D	1.28	1.30	White, gran. bbls., wks. 100 lb	16.00	16.50
HAARLEM OIL, Dom. 6 gr. oz. gr	..	3.35	Indigo, 20% paste, drums.....D	.15	.16	White, powd, bbls wks, 100 lb	..	16.00
Imported, 5 gr. cases.....gross	5.75	4.00	IODINE, crude, 200 lb keps.....D	..	4.20	Brown, broken, bbls., wks..D	.14%	.15
Halazone, 5 lb bot.....D	2.75	3.35	Resublimed, 10 lb jars.....D	4.65	4.70	..	..	..

Röhm & Haas Company, Inc.

We manufacture a wide range of standard Heavy Chemicals and a number of Special Products for the Tanning, Textile, Colour Lake, Printing Ink, Photographic and other Industries

ACIDS

Acetic
Muriatic
Nitric
Sulfuric
Tungstic

ALUMINUM SALTS

Sulfate
commercial
iron free

Chloride
liquid
crystals

SODIUM SALTS

Bisulfite
liquid
dry

Hyposulfite
commercial
photographic

Sulfate
Glauber's Salt

Sulfide
crystals
concentrated 64/62°
fused
granular

MISCELLANEOUS SPECIAL CHEMICALS

Aluminum Chloride
crystals U.S.P.
Lead Nitrate
commercial U.S.P.

Sodium Tungstate
commercial
C. P.

Sodium Hydrosulfite
and allied products
Lykopen
Formopen
Protolin, etc.

Tartar Emetic

Titanium Potassium
Oxalate

Office
40 North Front Street
PHILADELPHIA



Factories
Bristol and Bridesburg Penna.
Branches
Chicago, Ill. Gloversville, N.Y.
Boston, Mass.

Chemicals

LEAD ACETATE (Cont.)

USP, 100 lb kegs.....	19	: 19%
Arsenate, 100 lb kegs.....	13	: 14
Bbls. c/l wks.....	12%	: 13
Bbls. c/l wks.....	13	: 13%
Paste, 100 & 600 lb bbls.....	08	: 09
Iodide, USP, VIII 5 lb bot.....	3.20	: 3.40
Nitrate, 500 lb bbls. wks.....	...	: 12
Oxide, lithargy, 500 lb bbls.....	...	: 11%
100 lb kegs. wks.....	...	: 15%
Oxide, red, 500 lb bbls. wks.....	...	: 11%
100 lb kegs. wks.....	...	: 16%
Peroxide, 100 lb drs.....	25	: 30
White, basic carb. 500 lb bbls. wks.....	...	: 10%
100 lb kegs. wks.....	...	: 14%
White, sulfate 500 lb bbls. wks.....	...	: 10%
Bbls. c/l wks.....	...	: 10%
Litharge Ext. Mass. cases.....	25	: 28
Compound powder, bbls.....	11	: 13
Powdered.....	38	: 40
Sticks, 1 cu. 100 lb cases.....	45	: 50
LIME, (Balls, see Calcium Salts)		
Ground Stone, bags.....	4.50	
Live, Bulk.....	...	: 5.50
Live, 325 lb bbls. ton lots.....	...	
Wks. 100.....	1.05	
Single bbl. wks.....	1.08	
Hydrated, 167 lb bbl. ton lots.....	...	
Wks. 100.....	...	: .85
Single bbl. wks.....	...	: .91
Oyster Shell, 150 lb bbl. sing. lb.....	...	: .03%
Sulfur, dry 200 lb drs NY lb.....	...	: .03%
Drs. c/l NY.....	...	: .08
33° Soln. 50 gal bbls NY gal.....	15	: 16
Litharge, 5 lb bot.....	6.25	: 6.75
Litharge see lead oxide		
Lithium Carb. USP, 100 lb kegs.....	1.50	: 1.60
Bromide, 100 lb cs.....	1.80	: 1.90
Citrate, USP, 100 lb kegs.....	1.70	: 1.75
Iodide, 5 lb bot.....	...	: 5.48
Lithopone, 400 lb bbls. c/l wks.....	...	: 06%
Bbls. c/l wks.....	...	: .05%
Bags. c/l wks.....	...	: .05%

LITHOPONE (Continued)

Imported, 400 lb Bbls.....	05%	: 06
Lithium Carb.....	90	: 1.00
Logwood, 51°, 600 lb bbls.....	08%	: 08%
Lower grades.....	07	: 08
Solid, 60 lb boxes.....	12	: 15
LOGWOOD, sticks.....	23.00	: 27.00
Chips, 150 lb bags.....	08	: 03%
Luminal, see Phenylethylmalonylurea	...	
Madder, Dutch.....	28	: 30
MAGNESITE, crude.....	...	: 15.00
Calcined, 500 lb bbls.....	...	: 48.00
Magnesium mtl., sticks 100 lb cs. lb.....	1.25	: 1.30
Carb. tech. 70 lb bags NY.....	06%	: 07
75 lb bbls. NY.....	09	: 11
USP, 100 lb bbls.....	00%	: 10
USP, blocks 100 lb cs. 1, 2, 4 cs.....	17	: 19
Chloride, fused 575 lb drs. c/l wks.....	...	: 34.00
Flaked, 350 lb drs. wks c/l ton.....	...	: 36.00
Lump, fused 900 lb bbls NY ton.....	28.00	: 30.00
Fluocillate, crystals 400 lb bbls. wks.....	13	: 15
30% soln. 500 lb bbls. wks. lb.....	07	: .07%
Soln. bbls. c/l wks.....	...	: .08
Glycerophosphate, 5 lb tins.....	...	: 3.25
Hypophosphite, 5 lb cans.....	...	: 1.20
Oxide, USP light, 100 lb bbls.....	...	: .42
USP, heavy, 250 lb bbls.....	...	: .50
Peroxide, 5 lb cans.....	...	: 2.40
Pertorate, 1 lb tins.....	...	: 2.62
Salkylate, 100 lb kegs.....	75	: 80
Sulfate see Epsom Salts	...	
Manganese Borate, 30%,		
200 lb bbls.....	...	: .24
100 lb kegs.....	...	: .25
Chloride, 600 lb cases.....	06	: .06%
Dioxide, 80-84% 900 lb bbls. NY.....	80.00	: 85.00
85-90% 900 lb bbls. NY ton.....	85.00	: 90.00

MANGANESE DIOXIDE (Cont.)

Hydrated, precip. 100 lb kegs.....	15	: 23
Glycerophosphate, 5 lb tins.....	2.90	: 3.00
Hypophos USP VIII 5 lb vials.....	1.35	: 1.40
Iodide, 1 lb bot.....	...	: 6.05
Ora. bulk, NY.....	43	: 44
Sulfate, 600 lb cases, NY.....	07	: .07%
Mangrove bark, 55% 400 lb bbls.....	04%	: .05
Mangrove bark, African.....	...	: nom.
Shipment.....	...	: 44.00
Marble Flour, bulk.....	10.00	: 12.00
See also Calcium Carbonate		
MENTHOL, USP, 60 lb cases.....	...	: 11.25
Low case, 5 lb tins.....	...	: 12.25
Synthetic.....	...	: 8.00
MERCURY, metal, 75 lb flasks, flask.....	84.00	: 84.50
Less Flasks, 5 lb jugs.....	...	: 1.20
Bichloride, cryst. 25 lb tins.....	...	: 1.20
Gran. powd. 200 lb kegs.....	...	: 1.10
Bisulfate, 25 lb boxes.....	...	: 1.10
Blue Mass, 25 lb boxes.....	...	: .71
Powdered, 25 lb boxes.....	...	: .73
Blue Ointment, USP, 25 lb cans.....	...	: .94
50%.....	...	: .71
USP, dilute 25 lb cans 30%.....	...	: .80
33% Mercury.....	...	: 1.37
Calomel, 50 lb tins.....	...	: .54
Citrine Ointment, 25 lb jars.....	...	: 4.10
Iodide, green 25 lb jars.....	...	: 4.20
Red, USP, 25 lb jars.....	...	: 4.10
Yellow, USP, VIII 25 lb jars.....	...	: 2.00
Oxide, Yellow, USP, 25 lb bbs.....	...	: 1.43
Tech.....	...	: 1.48
Red Precip. USP, 25 lb bbs.....	...	: 1.58
Powder, USP, 25 lb bbs.....	...	: 1.59
White Precip. USP, 25 lb bbs.....	...	: 1.64
Powdered, USP, 25 lb bbs.....	...	: .71
With chalk, USP, 25 lb bbs.....	...	: .77
Meta-Nitroaniline.....	73	: 77
Meta-Nitro-para-Toluidine, 300 lb bbls.....	1.90	: 2.00

QUININE

Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

Cinchonine, Cinchonidine
Quinidine
and their Salts

THEOBROMINE
YOHIMBINE

CAFFEINE
QUINIC ACID

Manufactured by

N. V. Amsterdamsche Chininefabriek
Amsterdam

N. V. Bandoengsche Kininefabriek
Bandoeng

N. V. Nederlandsche Kininefabriek
Maarssen

Exclusive Distributors

R. W. GREEFF & CO., Inc.

78 FRONT ST., Cor. Old Slip, NEW YORK CITY



Removes objectionable color
and odor effectively and
economically.

PLANT: TYRONE, PA.

Local Warehouse Stocks Carried:

Chicago: Edgar R. Adler
St. Louis: C. B. R. Fitzwilliam & Co., Ltd.
San Francisco: Braun-Knecht-Heimann Co.

Industrial Chemical Company
Manufacturers

200 Fifth Avenue

New York

Chemicals

Meta-Phenylenediamine, 300 lb bbls. lb .90 : .95	MORPHINE (Cont.) Acetate, 5 ca. time 10 ca. lots. : 7.35	Nitrobenzene, crude, 1000 lb dra wks lb .09 : .09 1/2
Meta-Toluylenediamine, 300 lb bbls. lb .78 : .80	Hydrobromide, 5 ca. time 10 ca. lots : 7.35	Redistilled 1000 lb dra. wks lb .09 1/2 : .10 1/2
METHANOL (Wood Alcohol) 95% tanks gal : .55	Hydchloride, 5 ca. time 10 ca. lots : 7.35	Nitrogenous Material unit 3.45 : 3.50
Drums, c/l gal : .58	Ethyl Hydchloride, 1/4 ca. via. 10 ca. : 9.35	Nitronaphthalene, 550 lb bbls. lb .20 : .21
Drums, lc/l gal : .60	Small Sizes: 1/4 ca. vials, 50c extra; 1/2 25c extra; single ca. via., 7c ex- tra, over price for 5 ca. time. 25 ca. lots in 5 ca. time, 10c ca. lower than above schedule. Less than 10 ca. lots 15c ca. higher than above schedule.	Nitrosolene, mixed 1000 lb dra wks lb .14 : .15
97% tanks gal : .57	Musk Ambrette, 1 lb cans. lb 10.50 : 11.75	Nutgalls, see Crude Drugs
Drums, c/l gal : .60	Myrobalsams, 25% liquid bbls. lb .04 1/2 : .04 3/4	Oak bark, whole ton 20.00 : 23.00
Drums, lc/l gal : .62	50% solid, 50 lb boxes lb .08 1/2 : .08 3/4	Ground ton 45.00 : 50.00
Pure, Acetate free, tins gal : .65	Imported lb .72.00 : 72.00	Oak, tanks, wks lb .03 1/2 : .03 3/4
Drums, c/l gal : .67	Myrobalsams, bags 31 ton 50.00 : 53.00	23-25% liq. 600 lb bbls wks lb .04 1/2 : .04 3/4
Drums, lc/l gal : .70	B2 ton 50.00 : 53.00	Ochre lb .03 1/2 : .03 3/4
Bbls. incl. 5c higher	NAPHTHA, See Solvent Naphtha	Oil Free: see Fuel Oil
Methyl Acetone, 100 gal. drums. gal .75 : .80	NAPHTHALENE, Flake, 175 lb bbls. wks lb .05 1/2 : .06 1/2	NIL MINERAL, wh. 50 gal bbls gal .80 : 1.05
Tanks, cans gal .70 : .75	Bbls., c/l wks lb .05 : .05 1/2	Rumian gal 1.05 : 1.20
Chloride, 90 lb cyl. gal .50 : .55	Bbls., second hands, NY. lb .05 : .05 1/2	Oil Mirbane, see nitrobenzene
Sulleyate, USP, 50 lb cans. lb .47	Balls, 250 lb bbls. wks lb .06 1/2 : .07	Orism, see crude drugs
500 lb drums lb .44 : .45	Bbls., c/l wks lb .06 : .06 1/2	Orange Mineral, 1100 lb casks NY lb .14
Second Hands, cases lb .44 : .45	Bbls., second hands NY. lb .06 1/2 : .06 3/4	700 lb bbls, NY. lb .14 1/2
Methylene Blue, tech. 100 lb kgs. lb 1.25 : 1.50	Crushed, chipped, bags, wks lb .05	Ortho-Aminophenol, 50 lb kegs. lb 2.15 : 2.25
USP, medicinal 5 lb cans. lb 2.00 : 2.30	Crude, imp., bags lb .02 1/2 : .03 1/2	Ortho-Anisidine, 100 lb dra. lb 2.75 : 3.00
Michler's Ketone, 225 lb bbls. lb 3.00 : 3.25	NICKEL Ingot, 100 lb geys : .34	Ortho-Dichlorobenzene, see Dichlorobenzene
Milk, powd. 150 lb bbls. lb .14 : .15	Salt, single 400 lb bbls, NY. lb .10	Ortho-Nitrochlorobenzene, 1200 lb dra. wks lb .37
Milk Sugar, see sugar of milk	Double, 400 lb bbls, NY. lb .11	Ortho-Nitrophenol, 350 lb lb .90 : .95
Mineral Oil, see oil mineral	Oxide, 100 lb kgs, NY. lb .38 : .40	Ortho-Nitrosolene, 1000 lb dra. wks lb .20 : nom.
Mineral Rubber ton \$5.00 : \$75.00	Sulfate, 450 lb bbls. lb .09 : .10	Ortho-Toluidine, 350 lb bbls. lb .25 : .27
Monooacetone, 50 gal. drums. lb .46 : .50	Nickel Metal, electrolytic. lb 31.00 : 33.00	Osage Orange, 51" liquid. lb .07 : .07 1/2
Monochlorobenzene, see chlorobenzene	Nicotine, Free 40%. 8 lb time. lb 1.40 : 1.88	Powd., 100 lb bags lb .18 1/2 : .19
Monethylaniline, 900 lb dra. lb .70 : .80	Sulfate, 10 lb tins, 40% lb 1.10 : 1.35	Crystals lb .16 : .17
Monomethyl paramitophenol sulfate, 100 lb dra. lb 3.95 : 4.30	NITRATE SODA, spot. See Sodium Nitrate	Oxgall, USP, 5 lb bot. lb 1.75 : 2.50
MORPHINE Sulfate, USP 5 ca. time 10 ca. ca. : 7.35	Nitre Cake, bulk wks ton 4.50 : 5.50	Purified, 5 lb bot. lb 2.00 : 2.50
	500 lb bbls. ton 15.00 : 14.00	Crude, 5 lb bot. lb 1.00 : 1.25
		PALLADIUM, metal 10 ca. lots. ca 30.00 : 31.00
		Pancroatin, USP, 5 lb bot. lb 2.50 : 2.75
		Papain, 10 lb bot. USP, Powd. lb 2.75 : 3.00
		Crude, 150 lb cases lb 2.30 : 2.40
		Paraffin, ref'd 200 lb ca. slabs 123-127 Deg. M. P. lb .06 1/2 : .06 3/4

CUMAR

(Paracumarone Resin)

A Neutral Gum
for
Paint and Varnish Manufacture
and
Rubber Compounding

Clean and free from grit—
Resists water, acid, alkali

Of Our Own Manufacture

THE BARRETT COMPANY
40 Rector Street New York City



"Barrett Standard"

Barrett
CHEMICALS

Chemicals

PANAFIN (Cont.)			PARIS GREEN (Cont.)			Phthalic Anhydride, 100 lb bbls		
128-132 Deg. M. F.	D	.07% : .07%	Packages, 5 and 2 lb.	D	.23 : .24	wha.	D	.18 : .20
133-137 Deg. M. F.	D	.08 : .08%	Packages, 1 lb., ½ lb., ¼ lb.	D	.25 : .26	PILOCARPINE HYDROCHLORIDE, USP 25	oz.	4.00 : 4.50
138-140 Deg. M. F.	D	.08% : .09	Paris White, see whitening, French			lots, 1 oz. vials.	oz.	4.00 : 4.50
Para-Aminoacetanilid, 100 lb			Pepsin, USP, 5 lb bot. 123000.	D	2.25 : 2.50	Nitrate, 25 oz.	oz.	4.00 : 4.50
bags	D	1.00 : 1.05	1:6,000 bottles	D	4.00 : 4.25	Single, oz.	oz.	4.50 : 4.85
Para-Aminophenol, 100 lb bags.	D	1.10 : 1.15	1:10,000 bottles	D	6.05 : 7.25	Alkaloid, 15 gr. vials.	oz.	4.50 : 4.85
Hydrochloride, 100 lb bag.	D	1.25 : 1.50	Peptone, powder, 5 lb	D	1.70 : 1.80	Pine Oil, stim. dist. bbls.	gal	6.00 : 6.50
Para-Dichlorobenzene, 150 lb bbls.			Persian Berries	D	.27 : .30	Destructive dist.	D	.63 : .64
wha	D	.17 : .20	PETROLATUM, green 300 lb bbls.	D	.02½ : .03	Piperazine Hydrate, 1 lb bot.	D	15.00 : 15.00
25-50 lb bags	D	.18 : .23	Dark Amber, 300 lb bbls.	D	.04½ : .05	Piperidine, 25 oz.	oz.	1.10 : 1.25
Paraldehyde, USP, 100 gal. drs.	gal	.48 : .48	Light Amber, 300 lb bbls.	D	.04% : .05	Pitch, Coal-Tar, wha.	ton	24.00 : 26.00
Tech.	D	.30 : .30	cream White, USP 300 lb bbls.	D	.07 : .07½	Pitch, prime	bbl	6.00 : 6.50
Para-Cymene, Refd., 110 gal. drs.	gal	2.25 : 2.50	Snow White, USP, 300 lb bbls.	D	.13% : .14	Plaster Paris, tech 250 lb bbls.	bbl	3.80 : 3.80
Paraformaldehyde, USP, 100 lb oz.	D	.40 : .42	Idly White, USP, 300 lb bbls.	D	.10 : .10%	True Dental, 300 lb bbls.	bbl	4.50 : 4.50
Para-Nitroacetanilid, 300 lb			Phenol, see also acid carbolite			Platinum, metal soft 10 oz. lots.	oz.	119.00 : 119.00
bbls.	D	.50 : .55	Makers, 950 lb drums, spot.	D	.23 : .24	Podophyllin, 5 lb bot.	D	4.50 : 4.75
PARA-NITROSANILINE, 300 lb bbls.			Small drums, 240-100 lb	D	.24 : .26	Second Hands	D	4.50 : 4.40
wha. ton	D	.55 : .60	Open market, drums	D	.24 : .24	POTASH SALTS, rough		
Para-Nitrochlorobenzene, 1200 lb dra.			240 lb des. dra. wha.	D	.25 : .25	Pot. Murate, basic, 80% bga., ton	ton	34.55 : 34.55
wha.	D	.20 : .22	Natural, 240 lb des. dra. wha.	D	.25 : .25	Pot. Sulfate, basic, 90% bga., ton	ton	45.85 : 45.85
Para-Nitro-ortho-Toluidine, 300 lb			Phenolphthalein, USP, 100 lb dra.	D	1.80 : 1.40	Pot. & Mag. Sulfate, basic 48%	ton	26.85 : 26.85
bbls.	D	2.75 : 2.85	5 lb cans, 100 lb lots.	D	1.40 : 1.50	Manure Salts, basic, 30% bulk. ton	ton	17.50 : 17.50
Para-Nitrophenol, 185 lb bbls.	D	.50 : .55	Phenyl-Alpha-Naphthylamine 100 lb			Manure Salts, basic, 20% bulk. ton	ton	11.00 : 11.00
Para-Nitrosodimethylaniline, 120 lb			bags	D	1.23 : 1.29	Kalnit, basic, 12.4% bulk. ton	ton	7.75 : 7.75
bbls.	D	.92 : .94	Phenylethylalcohol, 1 lb bot.	D	8.00 : 10.00	Bulk in bags, 52.00 extra.		
Para-Nitrotolane, 350 lb bbls.	D	.38 : .40	Imported	D	7.00 : 7.75	Prices c.i.f. Atlantic & Gulf Ports.		
Para-ox Benzaldehyde, 100 lb			Phenylethylmalonylurea, oz. phs.	oz	5.50 : 5.50	POTASH, CAUSTIC, solid 85-92%		
bags	D	1.70 : 1.70	Phosgene, 100 lb cylinders.	D	.60 : .65	700 lb dra. wha.	D	.07½ : .07½
Para-Phenoldiazo, 500 lb dra.	D	1.85 : 1.90	Phosphate Acid, 16% Bulk wha.	unit	.60 : .65	Imp., 88-92% 700 lb dra. NY.	D	.07½ : .07½
Para-Phenylendiamine, 350 lb			Phosphate Rock, f.o.b. mines			USP, by alcohol 5 lb cans.	D	.46 : .48
bbls.	D	1.35 : 1.36	Florida Pebble, 65%	ton	2.40 : 2.50	cans	D	.30 : .35
Para-Tolueno-Sulfonamide, 175 lb			Florida Pebble, 70%	ton	2.75 : 2.85	POTASSIUM Acetate, USP, 100 lb		
bbls.	D	.40 : .41	Florida, 72%	ton	2.70 : 3.00	bags	D	.29 : .30
Para-Tolueno-Sulfonchloride, 410 lb			Florida Pebble, 75-74%	ton	3.75 : 4.00	Second Hands, bags	D	.26 : .28
bbls. wha.	D	.18 : .30	Tennessee, 72%	ton	5.50 : 5.50	Bicarbonate, crys. 320 lb bbls.	D	.09 : .10
Para-Toluidine, 350 lb bbls. wha.	D	.68 : .73	Phosphorus Oxichloride, 175 lb cpl.	D	.35 : .40	Bichromate crys., 900 lb cans.	D	.08½ : .08½
PARIS GREEN			Phosphorus, red 110 lb oz.	D	.70 : .75	Food., 900 lb cans. wha.	D	.11 : .12
Arsenic Basic, 500 lb bags.	D	.19 : .20	Yellow, 110 lb oz. wha.	D	.32 : .32	Bismaleate, 300 lb bbls.	D	.16 : .18
Kegs, 100 lbs.	D	.21 : .22	Imported, 112 lb cans.	D	.32 : .32	Import, 112 lb bbls.	D	.18 : .19
KM, 56, 28, 14 lbs.	D	.22 : .23	Phosphorus Trichloride, 175 lb cpl.					
			wha.	D	.45 : .45			

Over a Century
of
Chemical
Service
1815 ~ 1925

Oils
Gums
Starches
Softeners
Pigment Colors

for boiling off, sizing, weighting,
stiffening, printing and finishing.

ARNOLD HOFFMAN & CO., Inc.
PROVIDENCE

Boston

New York

Philadelphia

Charlotte

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 5 lb cans.... lb	...	.30
100 lb kegs..... lb	...	.22
Bromate, 100 lb cs..... lb	.80	.90
BROMIDE, USP, cryst., 450 lb		
bbis..... lb	.48	.49
Granular, 300 lb bbis..... lb	.48	.49
Cases, 100 lb..... lb	...	.50
Imported, USP, 220 lb. cs lb	.89	.41
Shipment..... lb	...	.43 1/4
CARBONATE, 80-85% calc.		
800 lb cks..... lb	.05 1/4	.06
80-85%, hydrated, 800 lb	...	...
cks..... lb	.05 1/4	.06
90-95% calc. casks..... lb	.06	.06 1/4
96-98% calc. casks..... lb	.06 1/4	.06 1/2
99% calc. casks..... lb	...	.07 1/4
USP, 100 lb kegs..... lb	.10 1/4	.11
99% C.P., casks..... lb	...	.12 1/4
Chlorate, crys., 112 lb bgs. c/l		
vis..... lb	.08 1/4	.09
Imp. 112 lb bgs, NY..... lb	.09	.09 1/2
Powd., 112 lb bgs, vis..... lb	.08 1/4	.09
Imp. bgs, NY..... lb	.08 1/4	.09
Gran. Imp. 112 lb bgs NY..... lb	.10 1/4	.11
Pyrotechnic, line powd NY..... lb	...	.07
USP, fine crys. 110 lb kegs	...	...
NY..... lb	.14	.15
Chloride, crys., bbis..... lb	.04 1/4	.04 1/2
Citrate, USP, 50 lb..... lb	...	.60
Cyanide, 110 lb cases..... lb	.58	.60
Glycerophosphate, 75% soln. 25 lb		
tins..... lb	1.35	1.50
Gumaccol Sulfonate, 5 lb cans		
10 lb..... lb	2.00	2.25
Hypophosphite, 10 lb cans..... lb	.80	.85
Iodide, USP, 100 lb cans..... lb	3.45	3.50
Lecithophosphate, 4 oz. bot on	...	.90
Metalbisulfite, 300 lb bbis..... lb	.10	.11
Imp., 550 lb bbis..... lb	.09	.10

POTASSIUM (Cont.)

Muriate, 80%, 200 lb bags, NY	...	.63
K ₂ O unit	...	...
Nitrate, see Saltpetre		
Oxalate, neutral 100 lb kegs..... lb	.16	.19
Perchlorate, 112 lb bgs. Mc-Apr. lb	.11	.12
PERMANGAN, USP, crys. 500 lb		
& 100 lb drs., vis..... lb	.15	.16
Imp, 113 lb drs.,..... lb	.14 1/4	.15
Prussiate, red, 500 lb casks..... lb	.37	.37 1/2
Prussiate, yellow, 500 lb casks..... lb	.18 1/4	.19
Salkylate, 25 lb cans..... lb	.60	.65
Sulfate, 200 lb bgs, NY K ₂ O unit	...	.85
USP, VIII, 100 lb bgs..... lb	...	.15
Sulfocyanide, CP 25 lb jars..... lb	...	.50
Tartrate, neutral, 100 lb kegs..... lb	...	.61
Titanium Oxalate, 200 lb bbis..... lb	.25	.27
Pumice Stone, lump, 250 lb bbis..... lb	.04 1/4	.06
Lump, bags..... lb	.03 1/4	.05
Powdered, 350 lb bbis..... lb	.02 1/4	.03
Pyridine, 50 gal. drums..... gal	...	4.50
Quebracho Bark..... ton	...	120.00
QUEBRACHO, 35% liquid ths. lb		
450 lb bbis..... lb	.03 1/4	.04
35% bleaching, 450 lb bbis..... lb	.04 1/4	.05 1/4
Solid 65%, 100 lb bales..... lb	.04 1/4	.05
Clarified, bales..... lb	...	.05
Quercitron, 51°, 450 lb bbis..... lb	.06 1/4	.08
Solid, 100 lb boxes..... lb	.10 1/4	.13
Quercitron bark, rough..... ton	...	14.00
Ground..... ton	34.00	35.00
QUICKSILVER, see Mercury		
Quinidine Alk., 100 oz. tins..... oz	.70	.75
Sulfate, 100 oz. tins..... oz	...	.50
Quinidine, see Chinidina		
QUININE SULFATE, USP.		
American, 100 oz. tins..... oz	...	.50
1 oz. tins, 100 oz. lots..... oz	...	.57
Dutch 100 oz. tins..... oz	...	.50

QUININE SULFATE, USP.

Java, 100 oz. tins..... oz	...	.50
Japanese, 100 oz. tins..... oz	...	.50
Acetate..... oz	...	.88
Arsenate..... oz	...	.88
Benzonate..... oz	...	.88
Bisulfate, USP..... oz	...	.45
Citrate..... oz	...	.62
Dihydrochloride, USP..... oz	...	.66
Dihydrobromide..... oz	...	.66
Dicarbonate, 10 oz. tins..... oz	...	2.50
Ethyl Carbonate, 16 oz. tins..... oz	...	.91
Ferrocyanide..... oz	...	.88
Formate..... oz	...	.85
Glycerophosphate..... oz	...	.88
Hydriodide..... oz	...	.88
Hydrobromide, USP..... oz	...	.62
Hydrochloride, USP..... oz	...	.62
Hydrochlorosulfate..... oz	...	.66
Hydchloride & Urea, USP..... oz	...	.88
Hypophosphite..... oz	...	.88
Lactate..... oz	...	.78
Phenolsulfonate..... oz	...	.85
Phosphate..... oz	...	.74
Salkylate, USP..... oz	...	.62
Tannate, USP..... oz	...	.46
Tartrate..... oz	...	.88
Valerate..... oz	...	.89

Small Sizes: 1 oz vials or cans,
50oz. lots, 5c on extra; 50oz. cans,
50oz. lots 2c on extra; 25oz. cans,
50oz. lots, 2c on extra; single 1oz.
vials or cans, 5c extra. All minor
quinine salts sold and quoted basis
100oz lots in 100oz cans. Sulfate
and bisulfate acid basis 100oz.
lots in 100 oz cans. Smaller orders
or certainties extra as above
schedule.

Selden Brand 99.99+% Pure PHTHALIC ANHYDRIDE

Highest quality obtainable.

Guaranteed uniform purity.

Long needle crystals.

Packed in paper lined, wooden barrels.

Prices on application.

THE SELDEN COMPANY

Pittsburgh, Pa., U.S.A.

Chemicals

SALT, 350 lb bbls, wks.....D	.45	: .47	SALTPETRE, Double Refined			SODA ASH (Cont.)		
Med Lead, see lead oxide			Granular, 400-500 lb bbls			c/l wks, .....100 lb	...	1.45
Red Precipitate, see mercury			c/l wks .....D	...	.08	Pmpt. and spot, Basis 58% bags	...	1.50
Resnet, N.F., 5 lbs. (1:25,000) D	2.95	: 3.50	SALTPETRE (Cont.)			c/l wks .....100 lb	...	1.50
Resorcin, see resorcinol			Less c/l wks, bbls.....D	...	.06%	SODA CAUSTIC, 76% solid		
Resorcinol, tech., 100 lb kgs.....D	1.35	: 1.50	Large Crystals, 350-400 lb bbls,			1-4 drums deliv'd NY.....100 lb	...	3.91
URP, 25 lb cans .....D	2.35	: 2.35	c/l wks .....D	...	.07%	5 & Up drums deliv'd NY.....100 lb	...	3.76
Rochelle Salt, USP, 225 lb bbls...D	.19	: .19%	Small Crystals, 350-400 lb bbls,			Ground & Flake, 76%		
Imp. URP, 300 lb bbls.....D	.20	: .20%	c/l wks .....D	...	.07	1-4 drums, deliv'd NY.....100 lb	...	4.31
Rosewater, triple, 5 gal. demis..gal	.90	: 1.10	Powered, bbls c/l wks...D	...	.07%	5 & Up drs deliv'd NY.....100 lb	...	4.18
Resins, (Sold in 600 lb bbls, gross for net.)			Imported, 500 lb bbls NY...D	...	.06%	1-4 bbls deliv'd.....100 lb	...	4.56
B .....280 lb	...	8.40	Santonin, USP, 1 lb bot.....D	155.00	: 160.00	5 & Up bbls deliv'd.....100 lb	...	4.41
D .....280 lb	...	8.90	Powd. 1 lb bot.....D	158.00	: 162.00	Contract basis 76% c/l wks	...	3.10
E .....280 lb	...	9.45	Saponin, ex Quillaja, 5 lb tins..D	1.00	: 1.10	Pmpt. and spot, Basis 76%		
F .....280 lb	...	9.45	Sauz. White, 500 lb bbls .....D	...	.01%	c/l wks, .....100 lb	...	3.20
G .....280 lb	...	9.45	Schaeffer's Salt, 250 lb bbls.wks.D	.60	: .65	Contract 74% low grade c/l		
H .....280 lb	...	9.45	S-coolamine, see hyoscyne			wks, flat .....100 lb	...	3.03
I .....280 lb	...	9.50	Sellite Mixture, 225 lb bbls....D	.16%	: .16%	Ground & flake, 76% pmpt. and		
K .....280 lb	...	10.10	SILICA			spot, wks, c/l drs.....100 lb	...	3.66
M .....280 lb	...	10.80	Crude, bulk, minos .....ton	6.00	: 7.00	Contract 76% drums c/l wks.	...	3.56
N .....280 lb	...	12.00	Refined, flaked, bags .....ton	18.00	: 30.00	flat .....100 lb	...	3.56
WG .....280 lb	...	13.65	Air flaked, bags .....ton	32.00	: 50.00	USP, stick, 10 lb cans.....D	.19	: .21
WW .....280 lb	...	14.85	Extra, flaked, bags .....ton	55.00	: 65.00	Pure, stick, by alcohol.....D	.25	: .27
(Sold in 600 lb bbls net. quotations based on a unit of 280 lb)			Colloidal, 1 lb bot.....oz	...	2.30	Soda Sal, see Sodium Carbonate		
Resin Oil first run, 500 gal ..bbls	.56	: .58	SILVER, metal, American .....oz	...	.69%	Sodium Metal, 12 1/2 lb bricks ..D	...	.27
Second run, bbl .....D	.59	: .61	Silver Iodide, 16 oz. bot.....oz	...	.69	Wks .....D	...	.05%
Roten Stone lump imp bbls ..D	.07	: .08	Nitrate, 16 oz. bot.....oz	.45%	: .47%	SODIUM ACETATE, crys. 450 lb bbls	...	.08%
Lump selected, bbls .....D	.09	: .12	Nucleinate, 16 oz. bot.....oz	.34	: .38	Wks .....D	...	.07%
Powdered bbls .....D	.02	: .05	Proteinates, 16 oz. bot.....oz	.34	: .38	Aluminate, 500 lb bbls, wks..D	...	.07%
Domestic, bags mines .....24.00	30.00		Soap, Castile, 40 lb box.....D	.20	: .25	Aluminum Sulfate, see alux: soda		
SACCHARIN, USP, 10 lb cans, 25 lb			Powd. USP, 250 lb bbls.....D	.28	: .30	Argentite, 4 lb mat. wks. drums.gal	.50	: .60
D	1.75	: 1.85	Green, USP, 150 lb kgs.....D	.07%	: .08%	Drums, 8 lb material, wks..gal	1.00	: 1.30
Soluble, USP, 10 lb cans, 25 lb..D	1.75	: 1.85	Soapstone, see Talc. crude			Benzosol, USP, 100 lb bbls..D	.59	: .63
Sago Flour, 150 lb bags .....D	...	.05	SODA ASH, 58% light			Benzales .....D	.59	: .66
Sal Ammoniac, see Ammon. Chloride			1-4 bags, deliv'd NY.....100 lb	...	2.19	Bicarbonate, 400 lb bbls, NY100 lb	...	3.25
Sal Soda, see Sodium Carbonate			5 & Up bags deliv'd NY.....100 lb	...	2.04	Bbls c/l wks .....100 lb	...	3.06
Saltin, USP, 1 lb cartons, 25 lb D	5.00	: 5.25	1-4 bbls, deliv'd NY .....100 lb	...	2.44	112 lb kgs, wks .....D	...	2.25
Salt, USP, 100 lb drums.....D	.85	: .95	5 & Up bbls deliv'd NY.....100 lb	...	2.29	112 lb kgs, NY .....100 lb	...	2.50
Salt, Common, see sodium chloride			Contract, Basis 58% bags c/l	...	1.38	Bichromate, 600 lb cans wks..D	.08%	: .07
Salt Cake, c/l f, o, b, wks.....ton	17.00	: 20.00	Prompt and spot, Basis 58% bags	...	1.43	Casks, c/l NY .....D	.08%	: .08%
			c/l wks .....100 lb	...		Casks, NY .....D	.08%	: .08%
			Contract, Basis 58% dense bags	...		Bisulfite, dry powder, 500 lb		
						bbls. wks .....D	.04	: .04%

Quality First

—and Always



There is no need for specifications when you order Diamond Alkalies—The quality is guaranteed—Diamond Soda Ash over 99% pure—Diamond Caustic Soda over 98% pure.



Manufactured and Sold Direct to Consumer by
DIAMOND ALKALI COMPANY
 PITTSBURGH, PA.



FIRST the sale—then the delivery; and to insure delivery quickly, safely and economically, we offer, the services of a well-organized, experienced and efficient

TRAFFIC DEPARTMENT

Solvay customers have not only the assurance of a superior product, but from the initial sale to the final use, the Company serves them through specialized departments.

Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



The Solvay Process Company

Detroit, Mich.

Syracuse, New York

Hutchinson, Kan.

Sales Department, Wing & Evans, Inc., 40 Rector St., New York

Boston

Cincinnati

Cleveland

Detroit

Pittsburgh

Chicago

Syracuse

Indianapolis

Philadelphia

Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb. bbls.	.48	: .49
Caust, 50 lb.	.48	: .49
Imp. USP, 220 lb. cases	.44	: .45
Bromate, 100 lb. ca.	1.15	
Cacodylate, USP, 25 lb.		
SE bot	6.00	: 6.25
Carbonate Hal Soda 350 lb. bbls.		
le/l NY	1.30	: 1.35
Wicks c/l	1.10	: 1.20
Monohydrate, 400 lb. bbl.		
le/l NY	1.00	: 1.40
Pure photographic 100 lb.		
kg	.06	: .08
Chlorate, 112 lb. kegs. wks.	.06%	: .06%
Imported, 112 lb. kegs.		: .06%
Chloride, tech.	12.00	: 13.00
C. P., 300 lb. bbls.	.05	: .06
Chromate 800 lb. bbl.	.05	: .05
Chlorate, USP, IX, 50 lb. kegs.	.52	
USP, VIII, 50 lb. kegs.	.52	
Cyanide 98-99% 100 lb. cases		
wks.	.22	
Two lots, wks.	.21	
73-76% 100 lb. cases, wks.	.19%	
125-128% 200 lb. cases	.20	: .20%
120 125% 200 lb. cases	.17	: .18
118-120% 200 lb. cases	.16	: .17
Fluoride, 300 lb. bbls., wks.	.09	: .09%
Imp. 350 lb. bbls.	.09	: .09%
Glycophosphate USP, 25 lb. cases	1.40	: 1.55
Powder, 25 lb. tins	1.45	: 1.60
Solution, USP, 25 lb. tins.	1.05	: 1.20
Hydrazide, see Soda Caustic		
Hypochlorite Soln, 100 lb. chys.	.05	
14% soln, 50 lb. chys.	.04	
Hydroxide, 300 lb. bbls. f.o.h. wks.	.23	: .24
For Stripping, 50 lb. cases	.25	: .25
Hypophosphite, USP, 25 lb. cases	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech. pea crys.		
375 lb. bbls., wks.	2.65	: 3.05
Bbls., c/l wks.	2.50	
100 lb. kegs, wks.	2.75	: 3.30
Imp.	2.75	
Regular crys., bbls. wks.	2.40	: 2.65
Bbls., c/l wks.	2.40	: 2.50
Kegs. wks.	3.00	: 3.10
Imp.	2.25	
Iodide, USP, 25 lb. jars.	4.25	: 4.30
Metanilate, 150 lb. bbls.	.70	: .75
Naphthionate, 300 lb. bbls.	.57	: .60
Nitrate crude, 95% 200 lb. kegs.		
c/l NY	2.57½	
July-Aug shipment NY 100 lb.	2.54	: 2.55
Double Refined 400 lb. bbls.		
gran. c/l wks.	.04%	
Powdered, bbls. c/l wks.	.05%	
Nitrite, 500 lb. bbls., spot makers	.09	
Imp. 650 lb. cases	.09	: .09%
Ortho-Chloro-Toluene Sulfonate,		
175 lb. bbls., wks.	.25	: .27
Oxalate, neutral, 100 lb. kegs.	.20	: .23
Perborate, 275 lb. bbls.	.21	: .22
Imp. 225 lb. drs.	.21	: .22
Peroxide, 200 lb. cases	.22	: .24
Phosphate, di-sodium, tech. 550 lb.	3.40	: 3.75
Bbls.	.07	: .07%
USP, gran, 275 lb. bbls.	.05½	: .06
Imp. gran.	.07½	: .08
USP, Crystal, 275 lb. bbls.	.30	: .31
Monosodium, 100 lb. kegs.	.03%	: .04%
Tri-sodium, tech., c/l bbls.	.08	: .09
Picramate, 100 lb. kegs.	.08	: .09
Para-Toluene Sulfonate 175 lb.		
bbls.	.10%	: .10%
PRUSSIAN, yellow, 350 lb. bbls.	.10%	: .10%
wks.	.24	: .26
Imp. 50 lb. cks.	.40	
Pyrophosphate, 100 lb. kegs.	.37	: .40
Salicylate, 100 lb. kegs.		
Second Hands, USP, kegs.		

SODIUM—(Continued)

Silicate, 40° turbid, tanks		
wks.	100 lb	: .75
55 gal. drums, wks.	100 lb	: 1.10
40° clear, tanks, wks.	100 lb	: 1.10
55 gal. drs., wks.	100 lb	: 1.45
42° turbid, tanks, wks.	100 lb	: .80
55 gal. drs., wks.	100 lb	: 1.15
42° clear, tanks, wks.	100 lb	: 1.25
55 gal. hrs., wks.	100 lb	: 1.75
Silicofluoride, 450 lb. bbls. NY.	38	: .04%
Stannate, 100 drums.		: .39
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb. bbls.		
c/l wks.	.03%	: .04
Imp. 250 lb. bbls.	.02%	: .02%
Sulfide, 60% solid, 650 lb. drs.		
le/l wks.	.04%	: .04%
Dr. c/l wks.	.04	
Imp. 700 lb. drs. NY.		
60% broken, 650 lb. drs. wks.		: .04%
Dr. c/l wks.		: .04%
30% crys. 440 lb. bbls. wks.		: .02%
Imp. 400 lb. bbls.		: .03%
Sulfite, crys. 400 lb. bbls. wks.		: .03%
Anhydrous, 400 lb. bbls.		: .10
Sulfocarbonate, USP, 100 lb. kegs.	.32	: .34
Sulfoeyanide, 400 lb. bbls.	.42½	: .45
Tungstate, crys. 100 lb. kegs.	.70	: .75
SOLVENT NAPHTHA, 110 gal.		
dr. wks.	.30	
8,000 gal. tank cars, wks.		: .35
Spartan Sulfate, USP, 250x. bulk, oz.		: .50
Single oz. vial.		: .67
Spirits Turpentine, bbls.	.98	: 1.01
Stm. dist.	.89	: .91
Speuce, 25% liquid tanks, wks.	.01	: .01%
Powd. 50% 100 lb. bags, wks.	.02	: .02%
Starch, rice, 140 lb. bags.	.09	: .10



"COLUMBIA BRAND"
Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

Sole Selling Agents

The Isaac Winkler & Bro. Co.50 BROAD STREET
NEW YORKFIRST NAT'L BANK BLDG.
CINCINNATICHEMICAL
SEABOARD
COMPANY

Sales Agents

BRECO BRAND

Osage Orange Extract
42° and 51°for
Textiles and LeatherMade by
BLUE RIVER EXTRACT CO.
Durant, Okla.

Stocks at Newark, N. J.

SEABOARD CHEMICAL CO.
90 WEST STREET
NEW YORKTelephone
Rector 4090-4091Cables
Seaboard-New York

Chemicals

STARCH, powd 140 lb bgs, c/1 100 lb	4.17	4.27
Bags, 1c/1 100 lb	4.27	4.37
Pearl, 140 lb bgs c/1 100 lb	4.17	4.27
Bags, 1c/1 100 lb	4.17	4.27
Potato domestic, 200 lb bgs c/1 lb	.03%	.04
Imported, bags duty paid	.06%	.06%
Wheat, dom.	.06%	.07
Imp.	.07%	.08
Sol. Potato	.07	.07%
Steamed Bone Meal, 3 & 50 Baitton	27.00	27.30
STRONTIUM Bromide, USP, 50 lb		
bags	.51	.52
Carb. 600 lb bbls. wks.	.07	.08
100 lb bbls. wks.	.08	.09
Iodide, USP, 15 lb jars.	4.00	
Nitrate, 600 lb bbls., wks.	.08%	.09
Imp., bbls., NY.	.07%	.08
Salicylate, USP, 100 lb bgs.	.75	.80
STRYCHNINE Alkaloid, USP, crys.		
100 oz. tins	.71	.75
Japanese, cans	.75	.81
Alk. powd. USP	.61	.65
Acetate	.65	.68
Glycerophosphate, USP	.68	.75
Hydrochloride	.75	.85
Hydrochloride	.85	.95
Nitrate, USP	.95	1.05
Phosphate	1.05	1.25
Sulfate, USP, crys. powd.	1.25	
Saccharinate		
Strychnine preparations quoted bases		
1000s lots in 1000s tins. Small sizes:		
1/4 oz vials, 50c extra; 1/2 oz vials, 35c		
extra; single ounce vials, 7c extra. Lots		
of 25 cts. 5c higher than above		
schedule. Lots of less than 35 cts.		
10c higher per oz.		
Sugar Coloring (See Caramel)		
Sugar Milk, USP, 200 lb bbls.	.30	.31
Second Hands, USP, bbls.	.18%	.19
Sulfonal, see Sulfonmethane		
Sulfonethylmethane, USP, 10 bxs. lb	3.85	4.05
Sulfonmethane, USP, 10 lb bxs. lb	2.65	2.85

SULFUR

Crude, f.o.b. mines	14.00	15.00
Brimstone, 250 lb bags, c/1 100 lb	1.75	1.95
Less c/1 bags NY	1.85	2.10
Roll, 500 lb bbls, c/1 NY 100 lb	2.20	2.45
Less c/1 bags NY	2.50	3.05
Flour, Heavy, 290 lb bbls, 100 lb	2.50	3.15
Light, 100%, 260 lb bbls, 100 lb	2.60	3.15
Rubbermakers 100%, 240 lb		
bbls., NY	2.50	3.15
Commercial, 99%, 150 lb bgs.		
NY	1.35	1.65
For Dusting, 99%, 100 lb		
bgs., NY	1.95	2.50
Flowers, 100%, 240 lb bbls.		
NY	3.25	3.90
Precipitated, 125 lb bbls. NY, lb	.15	.17
Lac, 125 lb bbls. NY	.10	.10
Sulfur Chloride, red, 700 lb		
wks.	.05%	.06
150 lb chys., wks.	.07	.07
Yellow, 700 lb drs. wks.	.04%	.05
150 lb chys., wks.	.06	.06
Sulfur Dioxide, 100 lb cyl.	.08	.08%
Iodide, USP, VIII, 5 lb bot.	4.55	
Sulfuric Ether, see Ether		
Sulfuryl Chloride, 600 lb drs.	.65	.70
Sumac, liquid, 450 lb bbls.	.06	.08
Stainless, 600 lb bbls.	.10%	.11%
Sumac, Sicily, 100 lb bags	135.00	150.00
Virginia, 150 lb bags	55.00	60.00
Destructive, distilled, bbls.	68	70
TALC, Italian 220 lb bags NY	40.00	50.00
Refined, white, bags	50.00	55.00
French, 220 lb bgs., NY	30.00	35.00
Refined, white, bags	38.00	45.00
Dom., crude, 100 lb bags NY	12.00	15.00
Refined, 100 lb bags NY	16.00	18.00
Tankage, ground, NY	3.50	3.75
High grade f.o.b. Chicago	3.25	3.90
So Am, c.l.f.	3.90	4.10
Tapioca Flour, high grade bags	.05%	.06
Medium grade, bags	.04%	.05%
Low grade, bags	.03	.03%
High grade	32.00	40.00

Tar, Coal Gas, Tks wks	.06	.08
Coke Oven, Tks., wks.	.07	.08
Water Gas, Tks., wks.	.06	.08
Tar, kiln-burnt	.14.00	
Retort	.14.00	
Tarlar Emecid, tech. 700 lb bbls.	.37	.38
USP, 300 lb bbls	.31	.34
Terpin Hydrate, USP, 100 lb bgs	.45	.47
Terpinol, CP, 1000 lb drums	.38	.40
Cans, 50 lb	.42	.45
Imported, cans 25 lb	.43	.46
Terpinyl Acetate, 25 lb cans	1.65	1.85
Terra Alba, No. 1, 300 lb bbls.	1.85	1.90
No. 2, bbls.	1.25	1.35
Tetralene, 50 gal drs. wks.	1.45	
Theobromine Alk., 5 lb cans	3.60	3.75
Sod. Salicylate, 1 lb bot.	.24	.26
Thioacetanilid, 170 lb bbls.	3.80	4.00
Thymol, USP, 25 lb tins	3.80	4.00
TIN, metal Stratis, NY	.56%	
Iodine, 5 lb boxes	7.25	7.50
American Standard, NY 100 lb	55.40	
99% American, NY 100 lb	54.50	
Bichloride, 50% soln. 100 lb		
bbls., wks.	.15%	
Crystals, 500 lb bbls., wks.	.38%	
100 lb bbls., wks.	.39	
Oxide, 300 lb bbls., wks.	.57	
100 lb bbls., wks.	.59	
Tetrachloride, 100 lb drs., wks.	.31%	
Titanium Oxide, bbls., wks.	.13	.14
Tollidine, 500 lb bbls.	.90	.94
Sulfate, 350 lb bbls.	.80	.85
Toluene, 3000 gal tank cars wks	.26	
110 gal drs. wks	.37	
Toluidine, Mixed, 900 lb drs., wks.	.31	.32
Toners, para red.	.90	1.00
Toluidine	1.80	1.90
Tricetin, 50 gal drs., wks.	.37%	
Triphenylphenol, 100 lb cans	1.00	
Trional, see Sulfonethylmethane		
Triphenylguanidine	.69	.73
Triphenyl Phosphate, 450 lb bbls.	.85	

THE
NEWPORT
PRODUCTS

HEXALIN

[Hexa Hydro Phenol]

TETRALIN

[Tetra-Hydro-Naphthalene]

Immediately Available



Newport Chemical Works

Incorporated
PASSAIC, NEW JERSEY

BENZOLS

The Barrett Company

Benzol Department

40 Rector Street  New York, N. Y.

Coast to Coast Producing Points!

Chemicals

Tripoli, 500 lb bbls	100 lb	2.50	3.00
Turpentine, NY	Wg. unit	11.25	11.50
Turkey Red Oil, bbls single	lb	.11	.12
duals	lb	.18	.19
Turpentine, see Spirits Turpentine			
Wood, see Wood Turpentine			
Ultramarine Blue	lb	.15	.25
UREA, pure, 112 lb cans	lb	.18	.20
Valonia Caps, 80-91% tan	ton	36.00	38.00
Board, 42% tan, bgs	ton	55.00	56.00
Mixture, 36% tan	ton	42.00	44.00
VANILLIN, USP, 500 cc cans	cc	..	.45%
Cans, 80 cc	cc	..	.50
Cans, 16 cc	cc	..	.61
Second Hands	cc	.47	.58
Venetian Red	lb	..	.63
Vergilite, see Copper Subacetate			
Vermilion, Amer. 100 lb bags	lb	.85	.90
English, bags	lb	1.40	1.45
Verdine Sulfate, 1 cc vial	cc	..	1.83
Hydrochloride, 1cc vial	cc	..	1.88
Veronal, see Acid Diethylbarbituric			
Waxes, 350 lb bbls, whs.	lb	75	79
Wattle Bags	ton	45.00	45.00
WHITE LEAD, see lead, white			
White Freiditeite, see mercury			
Whiting, 300 lb bags, c/w 100 lb	..	..	.90
Witlers, bags, NY	100 lb	1.00	1.15
French, bags, NY	ton	11.00	13.00
English, bags, NY	ton	11.00	33.00
Park White	ton	1.80	1.90
White Havel Extract, 80 gal bbls gal	lb	1.05	1.10
Wich Turpentine, std. dist. bbls gal	..	.87%	.90
XYLENE, 3° dist ramp, nitration			
110 gal, dr NY	gal	..	.55
3° dist. ramp, 8000 gal tanks			
whs.	gal	..	.40
110 gal, dr whs.	gal	..	.45
10° dist ramp, drums, whs.	gal	..	.45
Tanks, whs.	gal	..	.85
Commercial, 110 gal drs, whs.	gal	..	.81
Tanks, whs.	gal	..	.84
Xylidine, crude	lb	..	.37
Refined	lb	..	.43

YARA YARA, 1 lb tin	..... D	1.65	: 1.80
Yamhill's Hyalocide, 1 ca. vial	... ca	3.15	: 4.00
Zeiss	..... ss	...	: 3.00
Zink Oil	..... B	...	: .85
ZINC, METAL, high grade, ss	..... B	...	: .85
..... c/ NT	..... 100 D	...	: 8.75
Common Slab, c/ NT	..... 100 D	7.35	: 7.40
Money, 25 D bks. NY	..... D	...	: .14
Ammonium Chloride, powd., 400 D	..... B	...	: .07
..... bbls.	..... D	...	: .09
Carb. tech., bbls. NY	..... D	...	: .20
USF, 100 D kegs	..... D	...	: .07
Chloride, fused, 500 D	..... D	...	: .07
Dra. c/ wks.	..... D	...	: .06
Granulated, 500 D	..... D	...	: .08
Imported, dr., NY	..... D	...	: .08
Solution, 50%, tanks w/100 D	..... D	...	: 3.00
USF, 25 D jars	..... D	.27	: .29
Cyanide, 100 D	..... D	...	: .41
Dust, 100 D tin, wk	..... D	...	: .10
500 D bbls kegs c/ wks.	..... D	...	: .09
500 D bbls, kegs, c/ wks	..... D	...	: .09
Iodide, 5 D bota.	..... D	...	: 5.38
Nitrate, 25 D jars	..... D	...	: .46
Oxide, Amer. Bags wks	..... D	.07	: .07
Oxide, Amer 300 D bbls. wks.	..... D	.07	: .07
French, 300 D bbls wks.	..... D	.10	: .12
Bbl c/ wks	..... D	.09	: .11
Bags, c/ wks	..... D	.09	: .11
USF, 100 D bbls c/	..... D	...	: .14
Import, lots wks	..... D	...	: .16
Imported white	..... D	...	: .16
Green salt, bbls	..... D	...	: .10
USF 100 D bbls.	..... D	.15	: .16
Searate, USF, 50 D bbls.	..... D	.20	: .21
Searate	..... D	.17	: .18
Sulfate, 400 D bbls. wks	..... D	.03	: .04
Bbls, c/ wks	..... D	...	: .03
USF 100 D bbls	..... D	.14	: .15
Sulfate, 500 D bbls	..... D	.30	: .33
Sulfocarbonate, 100 D kegs	..... D	.30	: .33
wks	..... D	1.35	: 1.75
Zircronum, oxide, pure	..... D	.45	: .50
Sand-ref'd, bps.	..... D	.08	: .10
Natural, bps.	..... D	.03	: .03

Oils- Fats

Caster, No. 1, 400 lb bbls	..	D	..	.17	..	.17%
50 lb cases	..	D	..	..	..	.18
No. 3, bbls	..	D	..	.16%	..	.17
Blown, 400 lb bbls	..	D	..	..	..	.18%
China Wood, spot NY	..	D	..	.13%	..	.14
Tanks, Spot, NY	..	D	nom	..	..	.12%
Coast, tanks	..	D	..	.12	..	.12%
Coconut, Ceylon, 375 bbls, NY	..	D	..	..	..	..
8000 gal tanks, NY	..	D	..	..	..	.09%
Cochin, 375 lb bbls, NY	..	D	..	.11%	..	.11%
Tanks, NY	..	D	..	..	..	.10
Manila, bbls, NY	..	D	..	.10%	..	.10%
Tanks, Pacific Coast	..	D	..	.08%	..	.09
Edible, bbls, NY	..	D	..	.12%	..	.13
Cod Newfoundland, 50 gal bbls, gal	..	D	..	.63	..	.65
Tanks, NY	..	D	..	.55	..	.57
Cod Liver, see Cod Liver Oil under Chemicals	..					
Copra, bags	..	D	..	.05%	..	.06
Corn, ref, 375 lb bbls, NY	..	D	..	..	..	.13
Crude, 100 lb bbls, NY	..	D	..	.00%	..	.10
Ebbs, NY	..	D	..	.11	..	.12
Jettonseed, crude, 100 lb, NY	..	D	..	..	..	.08%
P.S.Y. 100 bbls NY	..	D	..	195%	..	.11%
White, 100 bbls, NY	..	D	..	..	..	.14
Winter yellow, 100 bbls, NY	..	D	..	.13%	..	.14
Degras, Amer, 50 gal, bbls, NY	..	D	..	.04%	..	.04%
English, light, bbls, NY	..	D	..	.03%	..	.03%
Engl, bbls, NY	..	D	..	.04%	..	.04%
Light brown, bbls, NY	..	D	..	.04%	..	.04%
Dark, bbls, NY	..	D	..	.03%	..	.04
Neutral, bbls, NY	..	D	..	.07%	..	.12
Moellon, bbls, NY	..	D	gal	..	..	.50
Greases, choice white, bbls NY	..	D	..	.13	..	.13%
Yellow	..	D	..	..	..	.08%
Brown	..	D	..	..	..	.08%
Home	..	D	..	..	..	.08%
Bone naphtha	..	D	..	..	..	.07

Hexamethylenamine, U. S. P.
Benzoate of Soda

Formaldehyde, U. S. P.
Benzaldehyde

THE NORVELL CHEMICAL CORPORATION

New York Office
99 John Street

Perth Amboy, New Jersey

Chicago Office
180 North Market St.

Church & Dwight Co.

80 Maiden Lane
New York

Bicarbonate of Soda
Sal Soda
Monohydrate of Soda



FURFURAL DERIVATIVES

We are now offering the following
FUROIC ACID
(Pyromucic)

(Pyromastic)
 METHYL FUROATE
 ETHYL FUROATE
 PROPYL FUROATE
 AMYL FUROATE
 FURFURALCOHOL
 FURYL ACETATE
 FURFURAMIDE

Prices will be furnished on request

THE MINER LABORATORIES

9 South Clinton Street

CHICAGO, ILL.

Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Horn, 375 lb bbls, NY	lb	.10	nom.
Lard, prime steam, bbls	lb	.17 1/2	
Compounds, bbls	lb	.18 3/4	
JARD OIL, Edible, prime	lb	.19	
Off prime, bbls	lb	.16 3/4	
Extra bbls	lb	.13 3/4	
Extra, No. 1 bbls	lb	.12 3/4	
No. 1 bbls	lb	.12 3/4	
No. 2 bbls	lb	.12 3/4	
LINSEED, raw c/l bbls, spot	gal	1.04	
Five bbls, raw	gal	1.07	
Tank, raw	gal	.98	
Boiled, 5 bbl. lots	gal	1.10	
Double Boiled, 5 bbl	gal	1.11	
June-Aug c/l wks	gal	1.04	
Imported, bbls, NY	gal	1.02	
Tanks, NY	gal		
Menhaden, crude, bbls, wks	gal	nom.	
Crude, tanks, Balt.	gal	nom.	
Light pressed, bbls, NY	gal	.76	
Yellow, bleached, bbls, NY	gal	.79	
Extra bleached, bbls, NY	gal	.81	
Blown, bbls, NY	lb	.10 3/4	
Neatfoot, 20° c.t. bbls, NY	lb	.17 1/2	
Pure, bbls, NY	lb	.14 3/4	
Extra, bbls, NY	lb	.12 3/4	
No. 1 bbls, NY	lb	.12 3/4	
Neo Oil, No. 1 bbls, NY	lb	.13 3/4	
No. 2, bbls, NY	lb	.12 3/4	
No. 3, bbls, NY	lb	.11	
OLIVE, denatured, bbls, NY	gal	1.15	1.20
Edible, bbls, NY	gal	2.00	2.30
Foots, bbls, NY	lb	.08 3/4	
Shipments	lb	.08 3/4	
alm Lagos, 1500 lb casks	lb	.09 1/4	
Niger casks	lb	.08 3/4	
Bonny old Calabar, casks	lb	nom.	
Palm Kernel bbl NY	lb	.10 1/4	

Peanut, refined, bbls, NY	lb	.15	.16
Crude, mills buyers' use	lb		
Crude, bbls, NY	lb	.10 1/2	
Perilla, bbls, NY	lb	.14 1/2	.15
Poppyseed, bbls, NY	gal	2.25	2.50
Rapeseed, refined, bbls, NY	gal	.99	1.00
Blown, bbls NY	gal		1.15
Red Oil, distilled, bbls	lb	.11 1/4	.12 1/4
Saponified, bbls	lb	.11 1/4	.12 1/4
Tanks	lb	.10 1/2	
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sesame, edible, yellow, bbls	lb	.13	.13 1/2
White	lb	.14 1/2	.15
Sod Oil, bbls, NY	gal	.40	
SOYA BEAN, crude, tks, Coast Coast	lb	.11	
Crude, tks, NY	lb	.12 1/2	
Crude, bbls, NY	lb	.13	
Refined, bbls, NY	lb	.14 1/2	
Sperm, 38° c.t. blechd. bbls, NY	gal	.89	.91
45° cold test, blechd. bbls, NY	gal	.87	.89
STEARIC ACID, s.p. 200 lb bags	lb	.14 1/2	.15 1/2
Double pressed, bags	lb	.14 1/2	.15 1/2
Double pressed, bags, saponified	lb	.14 1/2	.15 1/2
Triple pressed, bags, distilled	lb	.16 1/2	.17 1/2
Triple pressed, bags, saponified	lb	.16 1/2	.17 1/2
Stearine oleo, bbls	lb	.13	
Tallow, edible tierces	lb	.10	.10 1/2
City, extra loose	lb	.9 1/2	
Tallow Oil, acidless tks, NY	lb	.10 1/2	
Bbls c/l NY	lb	.12 1/2	
Walnut, crude bbls, NY	lb		
Whale, nat winter bbls, NY	gal	.79	
Blechd. winter bbls, NY	gal	.81	
Extra Blech, bbls, NY	gal	.93	
Crude, No. 1, tanks Coast	gal		
Crude, No. 2, tanks Coast	gal		
Crude, No. 3, tanks Coast	gal		

Crude Drugs

Acrodes Gum, red, see Yacca	lb	.10	.11
ACONITE LEAVES, bales	lb	.35	.35
Root, USP, bags	lb	1.40	1.50
Agar Agar, 1, 200 lb bales	lb		1.40
No. 2, bales	lb	1.20	1.25
Agaric, white, cases	lb	2.75	3.00
Granulated, boxes	lb	2.25	2.40
Almonds, bitter, boxes	lb	.60	.65
Sweet, boxes	lb	.57	.60
Meal, barrels, boxes	lb	.34	.35
Aletris Root, bags	lb	.40	.41
Alkanet Root, bag	lb	.08 1/2	.10
Aloes, Barbadoes, 120 lb bbls	lb	.70	.75
Cape, 400 lb cases	lb	.08 1/2	.09
Curacao, 160 lb cases	lb	.10	.11
Socotrone, whole, 300 lb cs.	lb		.35
Select, cakes, lb	lb	.26	.35
Althoe Root, Cuts, cs	lb	.55	.65
Whole	lb	.25	.30
Ambergris, black boxes	cs	8.00	10.00
Grey, boxes	cs		26.00
Ammoniac, tears, bags	lb	.30	.35
Angelica Root, dom. bags	lb	.13	.14
Argemone Bark, bags	lb	.16	.20
Anise, Levant, bags	lb	.14 1/2	.15
Russian bags	lb	.13	.14
Star cases	lb	.12 1/2	.13
Spanish, bags	lb	.15 1/2	.16
Annatto Seed, 200 lb bags	lb	.15	.18
ANABIC GUM,			
White, No. 1, 200 lb bags	lb	.24	.25
Second, 250 lb bags	lb	.22	.23
Sars, amber, 200 lbs bbls	lb	.13 1/2	.14
Powd., USP, 300 lb bbls	lb	.21	.22
Arca Nuts 150 lb bags	lb	.15	.15
Powd., 200 lb bbls	lb	.29	.31
Argols, Red, grd. see Chemicals			
Arnica Flowers, bales	lb	.11	.14
Root, bags	lb	.28	.30

LESS WORRY

THERE is nothing that takes the joy out of business quicker than worry over your raw materials—whether it refers to quality, deliveries or the firm behind the product.

International Salt users enjoy worryless days insofar as their salt supplies are concerned. International Salt refineries are the last word in modern salt purification, and deliveries of this quality product are prompt. The business methods of the organization behind International Salt are on a par with the quality of the product.



SCRANTON
PA.

INTERNATIONAL
SALT COMPANY, Inc.

NEW YORK OFFICE
2 RECTOR ST.

Crude Drugs

Arrowroot, Amer. Powd, bbis.	1.10	1.10%	Cassia Batavia, No. 3 bales . . . . .	.10	1.10%	Kleampans Root, bags . . . . .	.09	.10
Bermuda, bbis. . . . .	. . .	. . .	China, select, rolls, cases . . . . .	.08%	.07	Milder Flowers, bags . . . . .	.10	.13
St. Vincent, powd bbis. . . . .	.12	.14	Broken, bales . . . . .	.06%	.06%	Elmi Gum, 80 lb cases . . . . .	.13	.15
Asafetida, USP, 250 lb cases . . . . .	.26	.27	Buds, cases . . . . .	.20	.21	Elm Bark, select 5 lb bundles cases . . . . .	.26	.27
Powd, 50 lb tns. . . . .	.40	.42	Cassia Fistula, baskets . . . . .	.09	.11	Grinding, bags . . . . .	.16	.17
BALM GILEAD BUDS, bags . . . . .	.40	.42	Castile Soap, USP, powd., 200 lb . . . . .	.30	.32	Powdered, bbis. . . . .	.23	.25
Balmory Herbs, bales . . . . .	. . .	.14	bbis. . . . .	.30	.32	ERGOT, 150 200 lb bags . . . . .	.51	.54
BALSAMS			Castor Beans, bags . . . . .	.03	.03%	Eucalyptus Leaves, bales . . . . .	.05%	.06
Copaiba, Para, 80 lb cs. . . . .	.54	.55	Castoreum, 1 lb bot	4.50	5.00	Euphorbia Pilulifera Herb, bags . . . . .	.09	.09%
South American, 80 lb cs. . . . .	.57	.60	Catechu Gum, bags . . . . .	.11	.12	Zuphorbium Gum, cases . . . . .	.27	nom
Fir Canada, cases	11.00	12.00	Catnip Herb, bales . . . . .	.23	.26	Powdered boxes . . . . .	.28	.30
Oregon bbis cases . . . . .	.95	1.15	Chelery Seed, bales . . . . .	.26%	.27%	Fennel Seed, French, bags . . . . .	.09	.10
Peru, 120 lb cases	1.85	1.90	Ceratin Wax, white, bags . . . . .	.10%	.20	German, bags . . . . .	.14	.16
Tolu, 120 lb cases	1.40	1.50	Yellow, 200 lb bags . . . . .	.09	.10	Indian, bags . . . . .	.08%	.09
Bamboo Brier Root, bags . . . . .	.05%	.07	CHAMOMILE FLOWERS, Roman			Fennugreek Seed, 200 lb bags . . . . .	.05	.05%
Barberry Bark, tree bales . . . . .	.13	.15	cases bales . . . . .	.17	.18	Fish Berries, 100-125 lb bags . . . . .	.08	.08%
Root, bags . . . . .	.35	.37	Hung, cases bales . . . . .	.13	.15	Flax Seed, whole, 180 lb bbis.	15.00	15.05
Bayberry Bark, bales . . . . .	.10	.12	Charcoal, Willow, powd bbis. . . . .	.05%	.06%	Ground, 180 lb bbis. . . . .	.08	.08%
Wax, bbis. . . . .	.31	.32	Wood, powd, bbis. . . . .	.04	.06	Pringle Tree Bark, bags . . . . .	.25	.28
Balladonia Leaves, bales . . . . .	.25	.27	Yeast Bark, bags . . . . .	.07	.08	Fumigating Pastilles Black, 1 lb . . . . .	. . .	.18
Root, bags . . . . .	.15	.18	Herb, bales . . . . .	.06	.06%	boxes . . . . .	. . .	.18
Bass Wax, white cases . . . . .	. . .	.55	Yucca Gum, bags . . . . .	.85	.90	Red, 1 lb boxes . . . . .	.28	.25
Yellow, refined, cases . . . . .	. . .	.45	Chiretta, bales . . . . .	.07	.10	GALANGAL ROOT, bags . . . . .	.09	.10
Crude bags . . . . .	.38	.42	Chinchoa Bark, red quills bales . . . . .	.75	.80	Galbanum Gum, cases . . . . .	.80	.85
Bonoin Gum, Stam, boxes	1.90	1.95	Broken, bales . . . . .	.28	.35	Gambier Gum, bags . . . . .	.18	.17
Sumatra, 80 lb boxes . . . . .	.24	.26	Cinnamon, Ceylon, No. 1 bales	41	.42	Amboque Gum, 100 lb cases . . . . .	.90	.95
Berberis Aquifolium Root, bags . . . . .	.13	.14	No. 2, bales . . . . .	.38	.39	Powdered, cases . . . . .	.95	1.00
Both Root, bags . . . . .	.24	.26	No. 3, bales . . . . .	.37	.38	Gelsemium Root, bags . . . . .	.13	.13
Bitter Root, 100 lb bags . . . . .	.40	.43	Civet, Abyssin horns	2.55	2.60	Gentian Root, bags . . . . .	.08%	.09
Blackhaw Bark, root, bales . . . . .	.83	.84	Clover Tops, bags . . . . .	.20	.22	Ground, bbis., boxes . . . . .	.12	.13
Tree, bales . . . . .	.15	.17	Cloves, Zambiar, 135 lb bales . . . . .	.24	.24%	Powdered, boxes . . . . .	.13	.13
Black Root, bags . . . . .	.13	.15	Amboyans, bales . . . . .	.43	.44	Ginger African, bags . . . . .	.15%	.15%
Blacking Root, bags . . . . .	.37	.39	Penang, bales . . . . .	.40	.42	Jamaica, grinding, bags bbis. . . . .	.17%	.18%
Boldo Leaves, bales . . . . .	.15	.20	Pedicular, Black . . . . .	.51	.53	Japan, bags . . . . .	.21	nom.
Boninat Herb, bales . . . . .	.09	.11	Cora Leaves, Huanaso bags . . . . .	. . .	. . .	Cochin, ABC & Lemon, bags . . . . .	.21	.23
Leaves, bales . . . . .	.09	.11	Truxilla, bags . . . . .	. . .	. . .	Ginseng Root, cultivated, bags	8.00	10.00
Borage Flowers, bales . . . . .	.18	.20	Cashew Root, Black bags . . . . .	.06%	.15	Northwestern Wild, bags	12.00	14.00
Bryonia Root, bags . . . . .	.09	.16	Blue, bags . . . . .	.10	.11	Southern Wild, bags	8.50	10.00
Black Indian Root, 100 lb bags . . . . .	.40	.42	Pulp, USP, bales . . . . .	.23	.25	Golden Seal Root, bags	4.60	5.10
BUCHU LEAVES, short, 350 lb			Colchicum Root, bags . . . . .	.08	.09	Powdered boxes	4.90	5.15
bales . . . . .	.65	.70	Seed, bags . . . . .	.16	.17	Grains of Paradise, bags . . . . .	.13	.14
Low bales . . . . .	.66	.70	Colerwort, apples, cases, bales . . . . .	.23	.25	Grindelia Robusta Herb, bales . . . . .	.09	.09%
Long bales . . . . .	. . .	. . .	Colombo Root, whole bags . . . . .	.03%	.04	Guaiac Gum, 80 lb cases powd. . . . .	.48	.58
Northman Leaves, bales . . . . .	.11	.12	Coldfoot Leaves, bags . . . . .	.05	.06	Guarana, time, cases . . . . .	.85	.90
Southman Root, bags . . . . .	.07	.08	Comfrey Root, bags . . . . .	.13	.14	GUM, see Arabic Gum, etc.		
Barclay Root, bags . . . . .	.10	.12	Condorango Bark, bags . . . . .	.12%	.13	HELLEBORE ROOT,		
Bergamot Pith, case, 110 lb stands	. . .	.05%	Conium Herb, bags . . . . .	.12	.14	Black, bbis. . . . .	.08	.10
Gum for net . . . . .	.10	.11	Conium Seed, bags . . . . .	.10	.11	Powdered . . . . .	.15	.17
Imported . . . . .	.10	.11	Copaiba Balsam Para, see Balsams	. . .	. . .	White, Powd., 250 lb bbis. . . . .	.12	.13
Calabar Beans, bags . . . . .	. . .	1.00	Copal Gum . . . . .	.12	.13	Hololas Root, (unclean false)	.67	.68
Calassus Root, bleached, cases . . . . .	.33	.35	Jorlander Seed, Bombay, bags . . . . .	.06	.06%	Hemp Seed, Manchurian bags . . . . .	.03%	.04%
Unbleached, bags . . . . .	.06%	.07	Morocco, bags . . . . .	.05%	.05%	Chilean, bags . . . . .	.04	.04%
Calendula Petals, imp., bales . . . . .	.22	.20	Bleached, bags . . . . .	.09	.09%	Hambane Leaves, bales, USP . . . . .	.27	.20
Calypso Bark, bales powd . . . . .	.80	.81	Corn Silk bales . . . . .	.05%	.06%	No. assay . . . . .	.22	.26
Camphor, see Chemicals			Cotton Root Bark, bales . . . . .	. . .	.14	Jenna Leaves, bales . . . . .	.08%	.10
Canary Seed, Morocco bags . . . . .	.08%	.08%	Downage, on time . . . . .	. . .	.65	Powdered . . . . .	.12	.14
Spanish bags . . . . .	.08%	.09%	Cramp Bark, so-called bales . . . . .	.08%	.07	Honey, Calif., 120 lb cases . . . . .	.11	.12
South American, bags . . . . .	.07%	.07%	True, bags . . . . .	.30	.32	Hops, NY prime bale . . . . .	.26	.30
Candellilla Wax, bags . . . . .	.30	.23	Cranebill Root, bags . . . . .	.09	.10	Pacific Coast prime bales . . . . .	.25	.27
Cannella Alba Bark, bales . . . . .	.60	.62	CUBES BERRIES, XX bags . . . . .	.65	.64	Hardwood Herb, bales . . . . .	.09	.10
Cannella, true imp. bags . . . . .	. . .	. . .	Powdered, bns . . . . .	.65	.67	Horse Nettle, Berries, bags . . . . .	.35	.54
American (no assay) bales . . . . .	.20	.40	Culvers Root, bags . . . . .	.19	.29	Horsetail Rush, bags . . . . .	. . .	.15
USP . . . . .	.46	.60	Cunda Seed, Levant bags . . . . .	.14%	.15	Hydrangea Root, bales . . . . .	.09	.10
Cantharides, Chinese cases . . . . .	.95	1.00	Malta, bags . . . . .	.13%	.14	India Gum, see Karaya	. . .	. . .
Powdered bags	1.15	1.30	Morocco, bags . . . . .	. . .	.14	INSECT FLOWERS, open whole		
Russian, cases . . . . .	.75	.80	Cuttlefish Bone, Trieste, straps . . . . .	.13%	.14	Bales . . . . .	.24	.26
Powdered, boxes . . . . .	.95	1.05	Jewellers large, straps . . . . .	. . .	.30	Closed, whole bales . . . . .	.26	.28
Caraway Seed, African, bags . . . . .	.07%	.08	Small, straps . . . . .	. . .	.25	Powdered, pure 200 lb bbis . . . . .	.27	.40
Deutsch, 11 lb bags . . . . .	.08	.08%	French, straps . . . . .	.13%	.14	Flowers and Stems, 50 p.c. . . . .	.30	.31
Cardamom, bleached cases	2.40	2.50	Powdered, boxes . . . . .	.08	.09	200 lb bbis . . . . .	.30	.31
Decorticated, cases	2.40	2.60	Broken, boxes . . . . .	. . .	.07	Ipecac Root, Cartagena, bags	1.95	2.05
Green, grinding, bags	1.58	1.62	Oamar Gum, 135 lb cases . . . . .	.27	.28	Powdered, 200 lb bbis, bns.	2.30	2.40
Jurubata Wax, Flor. bags . . . . .	.29	.40	Damiana Leaves, bales . . . . .	. . .	1.25	Kio Whole, bags	1.90	1.95
Powd. . . . .	.29	.40	Dandelion Root, imp. bags . . . . .	.17%	.20	Powdered, 200 lb bbis, bns.	2.25	2.30
No. 1, yellow bags . . . . .	.27	.28	Deer Tongue Leaves, bales . . . . .	.08%	.09	Langkass American, 130 lb cases . . . . .	.75	.80
No. 2, N Country bags . . . . .	.21	.24	Digitalis Leaves, bales . . . . .	.19	.11	Russian (Beluga) bns. ctms.	4.00	4.50
No. 3, N Country bags . . . . .	.29	.29%	Jill Seed, bags . . . . .	.05%	.05%	IABORANDI LEAVES, bales . . . . .	.10	.10%
No. 3, chalky, bags . . . . .	.28%	.29	Cleaned, bags . . . . .	.08%	.08%	Jalap Root, whole, 150 lb bags . . . . .	.29	.28
No. 3, chalky, bags	1.25	1.50	Deerwood Bark, Jamaica, bags . . . . .	.09%	.10	Powdered, USP, 250 lb bbis. . . . .	.24	.24
So-called bales . . . . .	.85	.80	American, bales . . . . .	.07	.07	Japan Wax, White, bags . . . . .	.12	.13
Camara Sagrada, bales . . . . .	. . .	. . .	Doggram Root, USP, cut bags . . . . .	.12	.12	Job's Tears, White, bags . . . . .	.05	.05%
1920-22 bark . . . . .	.20	.22	Dragon Blood, Huan cases . . . . .	.70	.75	Juniper Berries, 125 lb bags	1.00	1.08
1923 bark . . . . .	.21	.24	Reeds, boxes . . . . .	.85	.90	WAKALA, USP, bags . . . . .	.08%	.10
1924 bark . . . . .	.14%	.15	ECHINACEA ROOT, bags . . . . .	.29	.28	Karaya Gum, powdered, bbis. . . . .	.08%	.10
1925 bark . . . . .	.12%	.13						
Cassia Bark, quills, bales . . . . .	. . .	. . .				
Pringles, bbis. . . . .	. . .	. . .				
Cassia Batavia, No. 1 bales . . . . .	.11	.11%						
Rheumatik, bales . . . . .	.10	.10%						

PRICES CURRENT SECTION

Crude Drugs

Kauri Gum No. 1	.68	.70	Marjoram Leaves, French, bales	.36	.37	Optum, Powdered, USP, cases	15.00	14.00
Kava Root, bags	.18	.19	Chilian, bales	.24	.24 1/2	Orange Flowers, cases	.25	1.25
Kino Gum, black cases	.55	.60	Mastic Gum, 120 lb cases	.56	.60	Orange Peel, bitter, bags	.07 1/2	.08
Kola Nut, 150 lb bags	.04 1/2	.05	Matico Leaves, bales	.17	.27	Sweet, bags	.11	.11 1/2
Kouso Flowers, bags	1.50	1.75	Mezerion Bark, bags	.11	.12	ORRIS ROOT, Florentine bold bags	.09	.10
LADY SLIPPER ROOT, bags	.55	.60	Millet Seed, dom, yellow bags	.03 1/2	.04	Powdered, 200 lb bbls	.11 1/2	.13
LARISUR Seed, bags	3.25	4.25	Montan Wax, crude bags	.06 1/2	.07	Verona, bags	.08	.10
Laurel Berries, bags	.10	.11	Bleached	...	...	Powdered, 200 lb bbls	.11	.12
Leaves, Greek, bags	.04 1/2	.05 1/2	Moss, Iceland, bales	.08 1/2	.10	Fingers, cases	.58	.60
Italian bales	.04 1/2	.05	Irish, bleached, bales	.09	.11	Gokerite Wax, brown hard bags	.24	.25
American, bales	.25	.35	Select, bales	.12	.13	Green, hard bags	.20	.22
Lavender Flowers, ordinary	.23	.24	Mullein Flowers, tins	.85	.90	Refined, yellow, bags	...	.37
Selected	.30	.38	Musk, pods, Carbazine, tins	16.00	17.00	PAPRIKA, bags	.18	.22 1/2
Leeches, tube	Per 100	3.20	Tonquin	23.00	25.00	Hungarian	.25	.25 1/2
Lemon Peel, bags	.08 1/2	.09	Grain Cab.	25.00	26.00	Pareira Brava Root, bags	.11	.12
Licorice Root, Russian, whole	.03	.04	Synthetic, see Chemicals	35.00	38.00	Parsley Seed, bags	.15	.17
Spanish, natural bales	.07	.08	Musk Root, Russian, bags	1.90	2.50	Patchouli, Leaves, bales	.19	.20
Powdered, bbls	.12	.13	Mustard Seed Hart brown bags	.12	.12 1/2	Pellitory Root, bales	.19	.20
Selected, 2 & 5 lb bundles	.11	.12	Bombay, brown	.08	.09 1/2	Pennyroyal	.07	.10
Cuttings, 125 lb bags	.06 1/2	.07	California, brown	.11	.11 1/2	Pepper, black, Sing. bags	.14	.14 1/2
Turkish, 150 lb bales	.03	.03 1/2	Yellow	...	.11 1/2	White, bags	.22	.22 1/2
Life Everlasting Herbs, bales	.05	.06	Chinese yellow	.05 1/2	.06 1/2	Allepy, bags	.14 1/2	.14 1/2
Lime Juice, clarified bbls	.60	.65	English, yellow	.09	.10 1/2	Lampong, bags	.13 1/2	.14
Linden Flowers with leaves, bales	.11	.11 1/2	Dutch, yellow	.08 1/2	.09 1/2	Tellecherry, bags	.15	.15 1/2
Without leaves, bales	.19	.20	Danish, yellow	.08 1/2	.09	Muntok, bags	.23	.23 1/2
Lobelia Herb, bales	.45	.48	Myrrh Gum, select, 200 lb cs	.24	.28	Red Chillies, Japan No. 1, bags	.21	.21 1/2
Lobelia Seed, bags	.62	.65	Sorts, cases	.20	.24	Mombassa, bags	.09	.09 1/2
Lovage Root, Imported, bags	.20	.25	NUTGALLS, Chinese, bags	.17	.18	Talay, bags	.10	.11
Lupulin, N.F. tins	1.55	1.60	Aleppy, bags	.20	.22	Capicum, Bombay, bags	.11	.11 1/2
Sands, No. 1 cases	1.00	1.05	Nutmegs, 110s cases	.62	.63	Peppermint Leaves, imp. bales	.18	.22
Lycopodium, 88 lb cs	.85	.90	75s, 80s, cases	.59	.61	Cuts, bales	.12	.14
MACE, Siaw, No. 1	1.63	1.64	Grinding, bags	.48	.50	Domestic leaf	.18	.19
Sands, No. 1 cases	1.03	1.05	Nux-Vomica Buttons, bags	.05	.08	Pero Balsam, see Balsams	...	.19
Batavia, No. 2, cases	.88	.90	Powdered, 200 lb bbls	.09	.12	Meli Leaves, bags	.17	.19
West India, cases	.85	.87	OAK BARK, red bags	.05	.06	Pimento Select, bags	.08 1/2	.08 1/2
Maita Flowers, blue bales	.34	.37	White, bags	.06	.07	Pink Root, true bags	.72	.75
Black, bales	.55	.60	Olibanum Gum, Sift 280 lb cases	.10 1/2	.11	Pitch, Burgundy, see Burgundy Pitch	...	.12
Manoca Root, bales	.17	.22	Tears, 280 lb cases	...	...	Plantain Leaves, bales	...	.19
Manna, large flakes, cases	.85	.70	No 1, all white 280 lb cases	.22	.23	Pleurisy Root, bags	...	.17
Small flake, cases	.38	.40	No. 2, 280 lb cases	.13	.14	Poke Berries, bags	.15	.17
Sorts, cases	...	.30	Optum, gum, USP, cases	12.00	13.00	Pomegranate Bark, of root bags	...	.30
Mandrake Root bags	.10	.12	Granular, cases	12.00	14.00	Of Fruit, bags	...	.30
Marjoram Leaves, German, bales	.27	.38	...	...	...	Of Tree	...	.30
African, bales	...	...	...	...	...	Pooty Flowers, red bags	.25	.27

VICTOR CHEMICAL WORKS
CHICAGO, ILL.

OXALIC ACID

HIGHEST PURITY

BRANCHES:
New York - Nashville
St. Louis

1816 **CHEMICALS** 1925

"Over a Century of Service and Progress"

FORMIC ACID
CAUSTIC SODA
BLEACHING POWDER
FINISHING MATERIALS

INNIS, SPEIDEN & CO., Inc.
Manufacturers, Importers, Exporters of
Industrial Chemicals

46 CLIFF STREET, NEW YORK

BRANCHES: Chicago, Philadelphia, Boston, Cleveland, Gloversville, N. Y.

FACTORIES: Niagara Falls, N. Y., Jersey City, N. J., Murphysboro, Ill., Owego, N. Y.

Crude Drugs

Poppy Seeds, Dutch, bags.....lb	.10%	.10%	Savory Leaves, bales.....lb	.07%	.08	Spruce Gum, boxes.....lb	1.00	1.50
German, bags.....lb	.09%	.10	Saw Palmetto Berries, bags.....lb	.40	.45	Squaw Vine, bales.....lb	.16	.17
Turkish, bags.....lb	.09	.09%	Scammony Resin, boxes.....lb	1.20	1.50	Squills, white.....lb	.05	.04
Blue Indian, bags.....lb	.....	.....	Scammony Root, bags.....lb	.07	.08	Powdered, bulk.....lb	.12	.14
White Indian, bags.....lb	.08	.08%	Senega Root, bags.....lb	.55	.56	Statensacre Seed, bags.....lb	.35	.31
Prickly Ash Bark, Southern, bags.....lb	.21	.22	SENNA, Alex 150lb cases.....lb	.22	.23	Stuckiac, 250lb bales.....lb	.35	.40
Northern, bags.....lb	.....	.....	Chief Leaf, 350lb bales.....lb	.13	.14	Stillingia Root, bags.....lb	.12	.13
Prickly Ash Berries, bags.....lb	.12	.14	Partings, 400lb bales.....lb	.10	.11	Stone Root, bags.....lb	.09	.10
Prince's Pine, bales.....lb	.20	.25	Powdered, 200lb bbls.....lb	.14	.14%	St. Ignatius Beans, bags.....lb	.13	.14
Pulsatilla Herb, bags.....lb	.12	.15	Tinnevely, boid, 350lb bbls.....lb	.14	.15	St. John's Bread, bags.....lb	.08	.09
Pumpkin Seed, bags.....lb	.28	.20	Medium Leaf.....lb	.11	.14	Stramonium Leaves, bales.....lb	.09%	.10
QUASSIA CHIPS, bags.....lb	.07	.07%	Small Leaf.....lb	.08	.11	Stramonium Seed, bags.....lb	.10	.11
Queen of the Meadow Herb, bags.....lb	.....	.06	Powdered, 200lb bbls.....lb	.09%	.16	Strophanthus Seed, Hispidum.....lb	.....	.....
Quinine Seed, bags.....lb	.80	.85	Pods, 350lb bales.....lb	.22	.25	Kombe bags.....lb	1.00	1.25
RAPE SEED, South Amer. bags.....lb	.06%	.07	Serpentaria Root, bags.....lb	.85	.90	Syrax, liquid artif.....lb	.35	.40
Dutch, bags.....lb	.08	.08%	cellac, D. C., bags.....lb	.78	.74	Gen. USP.....lb	.45	.60
Japanese, small, bags.....lb	.07%	.08	v.s.o. bags.....lb	.78	.74	Sunflower Seed, domestic bags.....lb	.05%	.06%
Raspberries, dried bbls.....lb	.50	.52	diamond I, bags.....lb	.78	.74	South American, bags.....lb	.05	.05%
Red Saunders.....lb	.17	.18	Superfine, Orange, bags.....lb	.60	.62	TAGALDEN BARK, bags.....lb	.05	.05
Rhatany Root, bags.....lb	.08%	.09	Stine, bags.....lb	.62	.60	Famarinds, bbls.....lb	.07	.08
RHUBARB, Root, H.D. cases.....lb	.35	.37	T. N., bags.....lb	.55	.60	Kepo.....lb	3.75	3.80
Powdered, 200lb bags.....lb	.38	.40	Garnet, A. C.....lb	.55	.58	Tansy Herb, bales.....lb	.18	.19
Rosemary Leaves, bales.....lb	.06%	.07	outton bags.....lb	.76	.76	Far, Barbadoes, 50 gal. bbls.....gal	1.40	1.50
Rosemary Flowers, cases bales.....lb	.....	.40	Bleached, ground, blue.....lb	.56	.56	Flus Gum, 230lb bbls.....lb	.09	.10
Rose Petals, pale.....lb	.27	.30	Bone Dry, bbls.....lb	.63	.66	Thyme, Spanish bales.....lb	.09	.09%
Red.....lb	.90	1.00	Slideritis Herb, cut bags.....lb	.15	.18	French, bales.....lb	.08	.08%
Red Herb, bales.....lb	.18	.20	Simaruba Bark, bales.....lb	.08	.09	Tilia, see Linden	.....	.....
SARADILLA SEED, bags.....lb	.14%	.16	Skullcap Leaves, Eastern, bales.....lb	.60	.62	Tole Balsam, Res Balsam	.....	.....
Powder, bbls.....lb	.19	.20	Western bales.....lb	.32	.34	Tonga Bark, bags.....lb	.70	.71
Saffron Flowers, Amer. bales.....lb	.40	.43	Skunk Cabbage Root, bales.....lb	.13	.16	Tonka Beans, Angostura, cases.....lb	2.00	2.10
Valencia, 1lb cans.....lb	32.00	33.00	Snake Root, Canada, natural, bags.....lb	.34	.35	Para, cases.....lb	.85	.90
Sage, Dalmatian, bales.....lb	.04%	.05%	Stripped, bags.....lb	.50	.65	Surinam, cases.....lb	.88	.90
Greek, bales.....lb	.03%	.04	SOAP BARK, whole, 150-200lb bales.....lb	.10	.12	Tragacanth Gum, No. 1 ribbon	.....	.....
Spanish, bales.....lb	.08	.08%	Cut, 125-175lb bags.....lb	.09%	.10%	100lb cs.....lb	1.45	1.50
Sandalwood, chips, bags.....lb	.16	.19	Crushed, 200lb bbls.....lb	.....	.11%	No. 2.....lb	1.18	1.20
Ground, bags.....lb	.21	.22	Spearment Leaves, American bales.....lb	.27	.29	Powdered, 50lb boxes.....lb	.87	.92
Sandarac Gum, 300lb bbls.....lb	.45	.48	Spermacti, blocks, cakes, cases.....lb	.43	.43	Turkish, cases.....lb	.70	.81
Sarsaparilla Root, Honduras, bales.....lb	.70	.72	Spikenard Root, bags.....lb	.17	.18	.....	.....	.....
Mexican.....lb	.22	.22	.....	.....	.....	.....	.....	.....
Sassafras Bark, ordinary bales.....lb	.15	.17	.....	.....	.....	.....	.....	.....
Select, bales.....lb	.23	.23	.....	.....	.....	.....	.....	.....

Saccharin Soluble

Granular & Powdered

Saccharin Insoluble

Powdered

RHODIA CHEMICAL CO.

89 FULTON STREET

New York

Works: New Brunswick, N. J.

COD LIVER OIL

"A-A BRAND"

Brödr. Aarsaether A/S

AALESUND

NORWAY

Finest Lofoten Non-Freezing Medicinal Quality

P. R. DREYER

Sole Representative in the United States

15 PLATT STREET

NEW YORK



Essential Oils - Flavoring Oils

ORANGE TERPENELESS
LEMON TERPENELESSManufactured by
MARIO DE PASQUALE, MESSINA
Soluble in water, producing the
natural flavor. Very powerful.

COMPAGNIE DUVAL

32 CLIFF ST., NEW YORK

SOLE AGENTS IN U.S. AND CANADA

SCHMOLLER & BOMPARD

GRASSE (FRANCE)

MARIO DE PASQUALE
MESSINA (ITALY)D. M. BAKARDJIEFF
KARLOVO (BULGARIA)

Essential Oils

Turneric Root, Madras bags	11 1/2	: .12
Aleppoy, bags	10 3/4	: .10 1/4
Powdered	13 1/4	: .14
China, bags	.09	: .09 1/2
Turpentine, Venice true 80 lb cs	.27	: .28
Artificial, 80 lb cases	.11	: .13
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Ursi Leaves, bales	.05	: .05 1/2
VALERIAN ROOT, Belgian bags	.40	: .50
Vanilla Beans, Mex, whole cases	9.50	: 10.50
Cuts, cases	8.25	: 8.50
Bourbon, cases	8.50	: 9.00
South American, cases	8.50	: 9.00
Tahiti, yellow label cases	7.50	: 8.00
Green Label, cases		
Vetiver Root, 100 lb bags	.25	: .26
violet Flowers, bags	.80	: .95
WANGI BARK, of root bags	.76	: .80
Of Tree, bags	.32	: .34
White Pine Bark, rossed, bags	.07 1/2	: .08
White Poplar Bark, bags	.06	: .07
Wild Cherry Bark, thin green		
Rossed, bales	12 1/2	: .14
Thick Rossed, bales	.07	: .09
Thin Natural, bales	.09	: .09 1/2
Thick Natural, bales	.06	: .07
Willow bark, bags		
White, bags		
Witch Hazel Bark, bags	.07 1/2	: .09
Leaves, bales	.07 1/2	: .09
Worm Seed, American, bags	.08	: .08 1/2
Levant, bags	2.90	: 3.00
Wormwood Herb, Imported bales		: .10
Yucca Gum, red	.04	: .04 1/2
Yucca Gum, white	.05 1/2	: .06 1/2
Yellow Root (Zanthoxila) bags	.16	: .17
YELLOW DOCK ROOT, bags	.12	: .14
Yellow Parilla Root, bags	.16	: .17
Yerba Santa, bags	.10	: .11
Zedoary Root, bags	.11	: .13

Essential Oils:

Almond, Bitter, USP, 5 lb bot.	3.00	: 3.25
Bitter ff PA 5 lb bots.	3.15	: 3.35
Sweet, 56 lb cans	.78	: .95
Apricot Kernel, 50 lb cans	.50	: .55
Amber, crude, 25 lb tins	.50	: .60
Rectified, 25 lb tins	.75	: .80
Angelica Root, 1 lb bot.	25.00	: 35.00
ANISE, Tech, 66 lb case	.60	: .61
USP, 60 lb cans	.62 1/2	: .65
Bay, 25 lb tins	2.25	: 2.35
Terpeneless	6.00	: 6.50
Bergamont, 25 lb coppers	3.25	: 3.27
Terpeneless	10.00	: 14.00
Artificial, 25 lb cans	2.00	: 2.20
Birch Tar, rect. 5 lb bot.	.50	: .60
Crude, 50 lb tins	.20	: .25
Bols de Rose, 25 lb tins	3.85	: 4.10
Cade, 25 lb cans	.30	: .35
Cajuput, native, 50 lb tins	.75	: .80
Calamus, 5 lb bot.	3.75	: 4.00
Camphor, Sassy 1000 lb drs		: .14 1/2
White, 1000 lb drs	.11 1/2	: .12
Cams, 50 lbs	.14	: .14 1/2
Cananga, native, 25 tins	2.30	: 2.40
Rectified, 25 lb tins	2.75	: 3.00
Caraway, USP	1.75	: 2.00
Caranomon, USP, 1 lb bot.	40.00	: 45.00
Carvel, 5 lb bot.	8.75	: 9.75
Cascarilla, USP, 1 lb bot.	50.00	: 52.00
CASSIA, 80-85 p.e. 400 lb drs.	1.90	: 1.95
Redistilled, USP, 50 lb cans	2.35	: 2.40
Cedar Leaf, 50 lb tins	.82 1/2	: .90
Cedar Wood, light 1000 lb drs	.55	: .60
Celery, 1 lb bot.	8.75	: 9.00
Chaulmoogra, 80 lb cans	.85	: .90
Cinnamon, Ceylon, 1 lb bot.	10.50	: 11.00
Leaf, 5 lb bot	1.40	: 1.50

CITRONELLA, Ceylon

1000 lb drums	.62	: .65
50 lb tins	.64	: .66
Java, 400 lb drums	.95	: 1.00
50 lb tins	1.05	: 1.15
Cloves, USP, 50 lb cans	1.70	: 1.75
6 lb bot.	1.75	: 1.85
Copaiba	.55	: .60
Coriander, USP, 1 lb bot.	9.50	: 10.00
Croton, USP, 25 lb tins	.90	: .95
Cubeba, USP, 5 lb bot.	4.50	: 4.60
Cumin, 1 lb bot	11.00	: 12.00
Dill, 25 lb cans	3.75	: 4.00
Erigeron 20 lb tins	3.25	: 3.75
EUCALYPTUS, Austl. USP,		
56 lb cs	.57	: .58
500 lb drums	.55	: .56
Fennel, USP, 25 lb tins	.80	: .90
Garanium, African, 25 lb cans	5.25	: 6.00
Bourbon, 25 lb tins	4.00	: 4.25
Turkish, 25 lb tins	3.75	: 4.00
Ginger, 1 lb bot.	10.00	: 11.00
Gingergrass, 25 lb tins	2.50	: 2.75
Hemlock, 25 lb tins	.80	: .85
Juniper Berries, USP, 25 lb tins	2.25	: 2.50
Wood, 50 lb tins	.50	: .55
Lavender, USP, 25 lb tins	5.25	: 6.00
Spike, Spanish, 50 lb cans	1.10	: 1.75
LEMONGRASS, Ital USP, 25 lb cans	1.05	: 1.20
Terpeneless	8.00	: 10.00
American, USP 25 lb cans	1.00	: 1.05
Lemongrass, native, 50 lb cans	1.00	: 1.05
Limes, Express, 25 lb tins		: .175
Distilled, 25 lb tins	1.75	: 1.85
Linaloe, Mex, 80 lb cases	3.85	: 4.10
Mace, distilled, 50 lb tins	1.40	: 1.50
Mirbane, ref., see Ar. Chemicals		
Mustard, USP, 1 lb bot	14.00	: 14.25
Artif, USP, 5 lb bot	2.25	: 2.50
Neroli, Bigarde, 1/2 & 1 lb bot	45.00	: 50.00
Petale, 1 lb bot	100.00	: 125.00
Artificial, 1 lb bot	10.00	: 20.00

UNGERER & CO.

Benzyl Benzoate

Benzyl Alcohol

Morana Incorporated
118 East 27th Street, New York

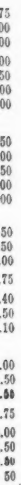
Chicago
19 South LaSalle Street
Paris
28, Rue St. Lazare

Toronto
42 Wellington Street, East
Works
Elizabeth, New Jersey



OTTO OF ROSES

Wetmore, USP, 25 lb tins.....	D	1.40	1.60	Vetiver, Bourbon, 1 lb bot.....	D	12.00	14.00	Linalool, 60 lb bot.....	D	6.00	6.20
Orange, bitter, 25 lb tin.....	D	2.60	2.70	Indian, 1 lb bot.....	D	30.00	40.00	Rose de rose, 5 lb bot.....	D	7.00	1.00
Sweet, W. Ind., 25 lb tin.....	D	2.35	2.70	Java, 1 lb bot.....	D	20.00	22.00	MENTHOL, 60 lb cases.....	D	11.00	11.25
Italian, 25 lb cop.....	D	2.60	3.00	Wine, heavy, 1 lb bot.....	D	...	1.50	less cases, 5 lb cases.....	D	11.25	11.50
American, 25 lb tin.....	D	2.65	2.75	WINTERGREEN				Madison, 1 lb bot.....	D	16.00	19.00
Distilled, 25 lb tin.....	D	1.00	1.15	Sweet herb, 25 lb tin.....	D	2.50	3.00	bitters, 1 lb bot.....	D	40.00	47.00
Spanish, 25 lb tin.....	D	2.70	2.85	Southern, 25 lb tin.....	D	1.85	2.00	Saffrol, drums.....	D	.31	.32
Origanum, 50 lb case tech.....	D	.25	.30	Gaultheria, true 25 lb tin.....	D	7.00	8.00	50 lb case.....	D	.33	.34
Family 1 lb bot.....	D	8.50	8.75	Southern, 25 lb tin.....	D	3.75	4.00	Thymol, USP, 25 lb tin.....	D	3.75	4.00
Patchouli, 5 lb bot.....	D	4.00	5.00	Synthetic, see Methyl Salicylate				SYNTHETIC AROMATICS			
Pennyroyal, 40m., 25 lb tin.....	D	2.00	2.15	Wormwood, Balt, USP, 25 lb tin.....	D	3.05	3.25	Acetophenone, CP 1 lb bot.....	D	3.50	3.75
Imported, 25 lb tin.....	D	1.70	2.00	Wormwood, dom. 25 lb tin.....	D	4.00	4.50	Aldehyde, C-8 (Octyl) 1 lb bot.....	D	45.00	60.00
PEPPERMINT, nat. 60 lb cases.....	D	18.00	20.00	Yang Yang, Bourbon, 10 lb tins				C-9 (Nonyl), 1 lb bot.....	D	70.00	75.00
Radic, USP, 60 lb cases.....	D	18.50	20.00	No 1.....	D	9.00	10.00	C-10 (Decyl), 1 lb bot.....	D	50.00	58.00
Fruit Grain, & A. 25 lb tin.....	D	2.15	2.25	No 2.....	D	6.00	7.00	C-12 (Dodecyl), 1 lb bot.....	D	27.50	32.50
French, 1 lb bot.....	D	7.00	8.00	Manila, 1 lb bot.....	D	35.00	40.00	C-14, 1 lb bot.....	D	22.50	25.00
Italian, 25 lb tin.....	D	2.25	2.35	OLEORESINS				C-16, 1 lb bot.....	D	70.00	80.00
Pimento, 25 lb tin.....	D	3.50	3.55	Aspidium, USP, 1 lb bot.....	D	2.00	2.25	Aubepine, see Anisic Aldehyde			
Pine Synteriac, 25 lb tin.....	D	.80	1.10	Capicum, USP, 1 lb bot.....	D	2.00	2.25	Amyl Acetate, pure 5 gal cans. gal	D	4.75	5.50
Pumilio, USP, 25 lb tin.....	D	2.25	2.50	Cubeb, USP, 1 lb bot.....	D	4.00	4.50	Butyrate, 1 lb bot.....	D	1.00	2.00
Rose, Fr., 8, 16 & 32 oz pkgs.....	D	9.00	9.00	Jinger, 5 lb bot.....	D	3.25	3.50	Cinnamate, 1 lb bot.....	D	1.00	1.00
Bulg., 8, 16 & 32 oz pkgs.....	D	9.00	11.00	Maifern, see Aspidium				Formate, 1 lb bot.....	D	1.75	2.00
Artificial, 1 lb bot.....	D	2.00	3.00	Orris, 1 lb bot.....	D	15.00	18.00	Phenyl Acetate, 1 lb bot.....	D	4.50	5.00
Rosemary, USP, 27 1/2 lb tin.....	D	.48	.55	Peper, black, USP, 1 lb bot.....	D	2.50	4.00	SALICYLATE, dom. 100 lb			
1000 lb drums.....	D	.45	.50	Fandia, 1 lb bot.....	D	16.50	22.00	chys.....	D	1.45	1.50
Tech., 27 1/2 lb tin.....	D	.58	.60	Aromatic Chemicals				Imported.....	D	2.25	2.50
Rue, 1 lb bot.....	D	...	4.00					Valerate, 5 lb bot.....	D	2.75	3.00
Sandalwood, E. Ind., USP, 75 lb								Anisic Aldehyde, 1 lb bot.....	D	3.50	3.75
cases.....	D	7.00	7.25					BENZALDEHYDE, USP, 40 lb chys.....	D	1.30	1.40
W, Indian (Amayris) 25 lb tin.....	D	2.25	2.40					FFC, 40 lb chys.....	D	1.40	1.50
Sassafras, USP, 50 lb case.....	D	.90	1.00					Imported, USP.....	D	1.00	1.10
Artificial, 1000 lb drs. 60 lb cases.....	D	.70	.75					NATURAL DERIVATIVES			
Savin, 50 lb tin.....	D	1.50	2.25	Anethol, 25 lb bot.....	D	1.10	1.25	Benzal Ether, see Ethyl Benzoate			
Spearmint, USP, 60 lb cases.....	D	2.00	2.25	Borned, 1 lb bot.....	D	2.40	2.75	Benzophenone 1 lb bot.....	D	4.50	5.00
Spruce, 50 lb tin.....	D	.85	.85	CITRAL, 250 case.....	D	2.75	3.00	Benzyl Acetate, 100 lb chys.....	D	1.10	1.50
Summer, Amer., 20 lb tin.....	D	3.15	3.25	Citrocellal, 1 lb bot.....	D	2.50	3.00	Alcohol, 5 lb bot.....	D	1.40	1.50
Tar, 50 lb bbls.....	D	.25	.37	EUCALYPTOL, USP, 50 lb cans.....	D	.90	.95	BENZOATE 5 lb bot.....	D	1.60	1.75
undiluted, USP 25											

50
00

50
00
00
50
50
00
75
40
50
10
00
50
00
75
00
50
00
50

.00
.50
.60
.75
.00
.50
.60
50

.50
.60
.75

.50
.60
.75

.50
.60
.75

.00
.50
.50
50

1

1

Aromatic Chemicals

Amyl Propionate, 1 lb. bot.	D	5.00	: 5.25	Iso-Safrol, 1 lb. bot. imp.	D	4.00	: 4.50	Terpinyl Acetate, 25 lb. cans.	D	1.65	: 1.85
Amyl Acetate, 1 lb. bot.	D	3.75	: 4.00	Domestic, 5 lb. bot.	D	4.00	: 4.25	Imported, 25 lb. cans.	D	1.90	: 2.10
Amecetyl, 25 lb. cans.	D	3.50	: 4.00	Linalyl Acetate, 1 lb. bot.	D	7.50	: 8.50	TERPENEOL, CP, 1000 lb. drs.	D	.35	: .37
Benzyl Anthracilate, 1 lb. bot. dom.	D	...	: 16.00	Benzoate, 1 lb. bot.	D	13.00	: 14.00	Cans, 50 lb.	D	.39	: .41
Butyric Ether, See Ethyl Butyrate				Formate, 5 lb. bot.	D	10.50	: 12.00	Absolute, 25 lb. cans.	D	.80	: .70
Cinnamic Acid, 5 lb. cans.	D	3.25	: 3.50	Methyl Acetophenone	D	3.50	: 3.75	Imported, 25 lb. cans.	D	.40	: .42
Alcohol, liquid 1 lb. bot.	D	9.00	: 9.50	ANTHRANILATE dom., 1 lb. bot.	D	2.50	: 3.25	VANILLIN, USP, 500 oz. cans. ....	...	...	: .49 1/2
Crystallizable	D	9.50	: 10.00	Imported	D	2.75	: 3.75	Cans, 16 oz., 80 oz. ....	...	.50	: .51
Aldehyde	D	3.50	: 3.75	Benzoate, 5 lb. bot. imp.	D	2.00	: 2.25	Second Hands ....	...	.47	: .50
CITRONELLOL, 1 lb. bot.	D	7.50	: 9.00	Domestic, 5 lb. bot.	D	1.75	: 2.00	Valerianic Ether, See Ethyl Valerate			
Imported, 1 lb. bot.	D	8.00	: 10.00	Cinnamate, 1 lb. bot.	D	3.50	: 3.75	Yara Yara, 1 lb. cans.	D	1.50	: 1.80
Citronellyl Acetate, 1 lb. bot.	D	13.00	: 14.00	Heptenone, 1 lb. bot.	D	8.00	: 8.25	PERFUMES' SUPPLIES			
COUMARIN, 25 lb. cans.	D	3.25	: 3.45	Paracresol, 1 lb. bot.	D	8.00	: 9.00	Almond Meal, 25 lb. cans.	D	.34	: .36
METHYL PHTHALATE, 25 lb. cans.	D	.35	: .38	Phenylacetate, 5 lb. bot. dom.	D	3.75	: 4.00	Amber, liquid, 400 lb. drs.	D	3.20	: 3.30
500 lb. drs.	D	.30	: .32	SALICYLATE, USP 500 lb.	D	...	: .45	Ambergris, black, bxs. ....	...	8.00	: 10.00
Diphenyl oxide, 25 lb. tins.	D	.85	: .90	50 lb. drums	D	...	: .47	Ambergris, gray, bxs. ....	...	...	: 26.00
Ethyl Acetate, pure, 5 lb. bot.	D	.45	: .50	Second Hands	D	.44	: .45	Balsam Copaliba, Para, 80 lb. cases.	D	.54	: .55
Benzoate, 5 lb. bot.	D	1.75	: 1.90	Mirbane, rect., 1000 lb. drums.	D	.12	: .14	South American, 80 lb. cases.	D	.58	: .60
Butyrate, 5 lb. bot.	D	1.90	: 2.10	Musk Ambrette, 1 lb. cans.	D	10.00	: 10.50	Peru, 120 lb. cases.	D	1.90	: 2.00
Caproate, 1 lb. bot.	D	3.25	: 3.50	Ketone, 1 lb. cans.	D	11.50	: 12.00	Tolu, 80 lb. cases.	D	1.40	: 1.50
Cinnamate, 1 lb. bot.	D	3.50	: 3.75	Xylene, 5 lb. cans.	D	3.25	: 3.50	Benzoin Gum, Siam, bxs.	D	1.30	: 1.35
Formate, 5 lb. bot.	D	.90	: 1.25	Nerolin, 1 lb. cans.	D	1.50	: 1.60	Castoreum, 1 lb. bot.	D	4.50	: 5.00
Ethyl-methyl Paracresol, 1 lb. bot.	D	3.25	: 3.50	Oenanthal Ether, 1 lb. bot.	D	1.75	: 2.00	Chalk, precip. light, 175 lb. bbls.	D	.04 1/2	: .08
Amyl Phenylacetate, 5 lb. bot.	D	3.75	: 4.00	Para-Cymene, Refd., 110 gal. drs.	D	2.25	: 2.50	Cherry Laurel Water, 5 gal. cans.	D	1.15	: 1.25
Propionate, 1 lb. bot.	D	1.75	: 2.00	Phenylacetaldehyde, Dom., 1 lb. bot. 50 p.c.	D	8.00	: 8.50	Civet Abyssin, horns	D	2.35	: 2.50
Valerate, 5 lb. bot.	D	...	: 3.75	Imported, 50 p.c.	D	7.00	: 7.50	Ladbanum, 5 lb. bot.	D	...	: 8.00
Sallylate, 5 lb. bot.	D	2.00	: 2.10	80-85 p.c.	D	14.00	: 16.00	Lanolin hydrous, 350 lb. bbls.	D	.15	: .21
Formic Ether, See Ethyl Formate				Phenylacetic Acid, 1 lb. bot.	D	3.00	: 3.25	Anhydrous, 350 lb. bbls.	D	.18	: .23
Geranyl Acetate, 1 lb. bot.	D	4.75	: 5.00	Phenyl Diacetate, 100 bot.	D	3.25	: 3.50	Musk pods, Cabardine, tins. ....	...	16.00	: 17.00
Butyrate, 1 lb. bot.	D	13.00	: 13.50	1 lb. bot.	D	8.00	: 10.00	Tonquin, tins. ....	...	22.00	: 25.00
Formate, 1 lb. bot.	D	12.00	: 12.50	Imported	D	7.00	: 7.75	Grains, Cabardine, tins. ....	...	25.00	: 28.00
Hellotropin, dom., 100-10 lb.	D	1.85	: 2.00	Phenylethyl Alcohol, 1 lb. bot.	D	6.00	: 7.00	Tonquin, tins. ....	...	34.00	: 35.00
Imported	D	2.10	: 2.40	Phenylethyl Butyrate, 1 lb. bot.	D	26.00	: 28.00	Synthetic, See Aromatic Chemicals			
Hydroxycitronellal, 1 lb. bot.	D	12.00	: 14.00	Formate, 1 lb. bot.	D	19.00	: 21.00	Orris Rt. Flor., powd. bbls.	D	.12	: .13
Indol, CP, 1 oz. bot. ....	...	6.00	: 6.50	Propionate, 1 lb. bot.	D	20.00	: 24.00	Verona, powd. bbls.	D	.10	: .11
Iemene, 1 lb. bot. 100%	D	10.00	: 11.00	Valerate, 1 lb. bot.	D	25.00	: 29.00	Petrolatum, snow white 350 lb. bbls.	D	.13 1/2	: .14
Alpha	D	14.50	: 16.00	Phenylpropylalcohol, 1 lb. bot.	D	15.00	: 16.00	Light Amber, 350 lb. bbls.	D	.04 1/2	: .05 1/2
Beta	D	12.75	: 14.50	Skatol, 1 oz. bot. ....	...	7.00	: 7.25	Rice Starch, 140 lb. bgs.	D	.09	: .10
Methyl	D	16.00	: 18.00					Rose Water, 6 2-3 gal. chys.	D	1.00	: 1.25
Iso-Butyl Benzoate, 5 lb. bot.	D	4.75	: 5.00					Sandalwood chips, powd., bags.	D	.30	: .35



GLYCYL



The Marvelous New Solvent for Confectioners, Ice Cream Manufacturers, and Bakers.

A better solvent than Alcohol, and CHEAPER to use. No red tape involved in procuring GLYCYL.

GLYCYL is destined to replace Alcohol entirely as a solvent for Vanillin and Coumarin.

Slow evaporation; better distribution of flavor through the batch; no fire hazard in storing; are among the many advantages of GLYCYL.

Write us for complete details regarding this remarkable product.

Samples and Prices on Request

MANUFACTURED ONLY BY

The FRIES & FRIES Co.

1501-1513 W. 6th St.

Cincinnati, O.

242 Pearl St.

New York

Gum Tragacanth

(Since '73)

M. L. BARRETT & CO., Merchants

Essential Oils Fine Chemicals Synthetics Colors

233 WEST LAKE STREET - CHICAGO, ILL.

Established 1873

Cables: Lazerno

RAAB'S

Artificial Musks

The final touch for Perfumes,
Soaps and allied products

Address Exclusive Agents for America

MAGNUS, MABEE & REYNARD, Inc.

New York

der, Kingston; 25 cs., Order, Palermo; **Pep-
permint**, 1 cse., Dodge & Olcott, Sydney;
Rosemary, 44 cs., L. Suria, Trieste
OPIMUM—25 cs., Order, Constantinople
OXIDE—21 cks., L. H. Butcher & Co., Man-
chester
PHOSPHORUS SESQUISULPHIDE—45 cs.,
Uniform Chem Products Co., Manchester
PLUMBAGO—250 brls., N. Y. Trust Co., Co-
lombo; 50 brls., Brown Bros. & Co., Colom-
bo; 353 bgs., 80 brls., Order, Colombo
POTASSIUM SALTS—Muriate, 2,500 bgs., Soc
An Des Potasses d'Alsace, Antwerp; Nitrate
450 bgs., Order, Rotterdam; 2,032 bgs., Kut-
troff Pickhardt & Co., Rotterdam; **Perchlo-
rate**, 200 brls., C. Hardy Inc., Havre; Sul-
fate, 50 brls., Potash Imp't Co., Liverpool;
200 bgs., Potash Imp't Co., Hamburg
POTATO STARCH—25 brls., Heemsoth Basse
& Co., Rotterdam; 200 bgs., Spier Simmons
& Co., Rotterdam; 250 bgs., Stein Hall &
Co., Rotterdam; 50 bgs., Order, Rotterdam
PUMICE STONE—515 bgs., R. J. Waddell &
Co., Lipari; 808 bgs., Whittaker Clark &
Daniels, Lipari; 362 bgs., 5 bgs., C. B.
Chrystal, Lipari; 325 bgs., K. F. Griffiths &
Co., Lipari; 5,015 bgs., 40 cks., Order, Li-
pari; **Lump**, 2,784 bgs., R. J. Waddell & Co.,
Lipari; 2 cs., Whittaker Clark & Daniels,
Lipari; 2,800 bgs., T. Van Amringe & Son,
Lipari; 2,999 bgs., J. H. Rhodes & Co., Li-
pari; 50 bgs., Order, Lipari; **Powdered**, 417
bgs., J. H. Rhodes & Co., Lipari; 125 bgs.,
Whittaker Clark & Daniels, Lipari; 550 bgs.,
T. Van Amringe & Son, Lipari; 250 bgs.,
C. B. Chrystal Co., Lipari
QUINOIDINE ALKALOID—5 cs., Merck &
Co., Rotterdam
ROOTS—6 brls., Order, Hamburg; **Arrow**, 25
brls. Middleton & Co., St. Vincent; 11 brls.,
R. Hadley, Trinidad; **Broom**, 76 brls., H.
Triest Co., Vera Cruz; **Canagria**, 15 bgs., R.
Hillier Sons & Co., Vera Cruz; 16 bgs.,
Order, Vera Cruz; **Ipecac**, 4 brls., R. Del
Castillo, Cartagena; **Jalapa**, 75 bgs., S.
Weiser, Vera Cruz; 1 bag, H. Triest &
Co., Vera Cruz; **Sarsaparilla**, 7 brls., S. A.
Medina, Vera Cruz; 17 brls., Atlantic Trans-
port Line, Cristobal
SAL AMMONIAC—50 cks., H. Hinrichs Chem
Corp., Rotterdam

SALT—1,400 sks., W. A. Hazard & Co., Liver-
pool
SEEDS—Anise, 50 brls., G. W. Armstrong,
Kobe; Caraway, 100 bgs., Jaburg Bros, Rot-
terdam; 200 bgs., A. G. Dunn, Rotterdam;
200 bgs., C. E. Armstrong, Rotterdam; **Castor**,
223 bgs., W. A. Leaman, Port De Paix; 52
bgs., S. L. Brinley, Port Au Prince; 55 bgs.,
A. Behrens & Co., Port Au Prince; **Cumin**,
206 bgs., Order, Hamburg; **Fescue**, 187 sks.,
Peter Henderson & Co., Dunedin; 300 sks.,
O. M. Scott & Sons, Dunedin; **Flax**, 12,626
bgs., Order, Buenos Aires; 13,712 bgs., Am
Linseed Co., Rosario; **Mustard**, 20 bgs.,
Knickerbocker Mills, Rotterdam; **Quince**, 7
bgs., Brown Bros & Co., Capetown; **Mustard**,
95 sks., A. Joensson & Co., Hull; **Rape**, 50
bgs., Order, Antwerp
SHELLAC—54 cs., C. F. Gerlach, Rotterdam;
100 bgs., Ralli Bros., Hamburg; 200 bgs.,
Intern Acceptance Bank, Calcutta; 200 bgs.,
Mech & Metals Nat. Bank, Calcutta; 50
bgs., J. Munroe & Co., Calcutta; 200 bgs.,
Brown Bros. & Co., Calcutta; 100 bgs., Am
Exch. Nat Bank, Calcutta; 100 bgs., British
Bank of So America, Calcutta; 200 bgs.,
Standard Bank of So Africa, Calcutta; 50
cs., 2,500 bgs., Order, Calcutta; 25 bgs.,
A. Heimrath Inc., Hamburg; **Garnet**, 50 bgs.,
Brown Bros. & Co., Calcutta; **Seed**, 121 bgs.,
Order, Calcutta; **Sticklac**, 112 bgs., National
City Bank, Singapore; 420 bgs., Nat City
Bank, Bangkok
SODIUM SALTS—Cyanide, 84 drs., Order,
Liverpool; 442 cans, Anglo So Am Trust
Co., Havre; **Ferre Cyanide**, 7 cs., E. Dietz-
gen Co., Hamburg; Nitrate, 7374 bgs., W. R.
Grace & Co., Antofagasta; 6,532 bgs., W.
R. Grace & Co., Caleta; 5 bgs., Kuttroff
Pickhardt & Co., Rotterdam; 6,605 bgs., W.
R. Grace & Co., Antofagasta
SOLID CARBOLIC—30 kegs, Order, Liver-
pool
SPICES—35 brls., Wolf Sayer & Heller, Ham-
burg; **Ginger**, 770 bgs., Cie Francaise Africa
Occidentale, Freetown; **Mace**, 30 cs., J. L.
Kraft & Bros., Rotterdam; 42 cs., Catz
Amer Co., Rotterdam; 2 cs., 11 brls., B. H.
Old & Co., Grenada; 12 cs., Irwin Harrison
& Whitney, Grenada; 29 brls., W. Tappen-
beck, Grenada; **Nutmegs**, 25 bgs., E. L.

Prior, Trinidad; 25 bgs., Middleton & Co.,
Grenada; 20 bgs., Knickerbocker Mills, Gre-
nada; 74 bgs., Middleton & Co., Grenada;
50 bgs., B. H. Old & Co., Grenada; **Pimento**,
50 bgs., J. E. Kerr & Co., Montego Bay
SPONGES—46 brls. Amer Sponge & Chamois
Co., Havana; 8 brls., Nat Sponge & Chamois
Co., Nassau; 20 brls., J. H. Rhodes & Co.,
Nassau; 49 brls., J. Block Inc., Havana; 31
brls., G. W. Sheldon & Co., Havana; 30
brls., Greek Am Sponge Co., Havana; 20 brls.,
Florida Sponge & Chamois, Havana; 17 bgs.,
Intern Marine Prod Co., Havana; 25 brls.,
Am Sponge & Chamois, Havana; 54 brls.,
Nat Sponge & Chamois Co., Havana; 55
brls., Lasker & Bernstein, Nassau; 24 brls.,
Amer Sponge & Chamois, Nassau; **Waste**,
50 brls., Lasker & Bernstein, Nassau; 63
brls., Order, Nassau
TALC—770 bgs., C. Mathieu, Genoa; 200 bgs.,
Kountze Bros., Genoa; 100 sks., C. Matthieu,
Genoa
TEKPINOL—2 drs., P. R. Dreyer, Hamburg
ULTRAMARINE—99 cks., Van Oppen & Co.,
Hull
UMBER—20 cks., L. H. Butcher & Co., Man-
chester
VANILLA BEANS—22 cs., Dodge & Olcott,
Vera Cruz; 16 cs., J. Lambert & Co., Vera
Cruz; 6 cs., Order, Bordeaux; 117 cs., Dodge
& Olcott, Marseilles; 101 cs., Dodge & Ol-
cott, Marseilles; 24 cs., Order, Marseilles
WAX—93 bgs., Itali aAmer Shpb Co., Naples;
Bees, 80 pgs., Guaranty Trust Co., Valpa-
raiso; 26 bgs., Order, Tampico; 4 bgs., J. J.
Julia & Co., Azua; 10 seroons, W. Schall &
Co., Puerto Plata; 10 bgs., R. Desvernine,
Antilla; 15 sks., J. H. Schroeder Banking
Corp., Coquimbo; 19 sks., W. R. Grace &
Co., Coquimbo; **Mineral**, 40 bgs., L. S.
Tainter, Hamburg
ZINC AMMONIUM CHLORIDE—93 cks.,
Goldsmith Corp., Rotterdam
ZINC—Oxide, 25 cks., E. M. Sergeant & Co.,
London; White, 25 cks., E. M. & F. Waldo,
Rotterdam
IMPORTS AT PHILADELPHIA
June 10 to 17
ACID—Cresylic, 20 drms., Order, Glasgow;
Perchloric, 2 cs., Black Diamond S.S. Corp.,

GEORGE UHE

BROKERS

NEW YORK

Chemical Works "Naarden" Ltd.

NAARDEN (Holland)

Cable Address: CHEMISCHE-BUSSUM
P. B. 2 Bussum (Holland)

Essential Oils

Alfred W. Jenkins William A. Stopford Schuyler L. Parsons

PARSONS & PETIT

Established 1857

63 BEAVER STREET, NEW YORK CITY

Selling Agents

The Freeport Sulphur Company

**The Sulphur Export Corporation
in Mexico**

**The Salzbergwerk Neu-Stassfurt
in United States
for Carbonate of Potash**

**Emil Fog & Figli of Messina, Sicily
for Essential Oils**

**Distributors for
The Diamond Alkali Company**

Acids
Arsenic
Pig Lead
Soda Ash
Castor Oil
Glycerine

Salt peter
Empty Drums
Olive Oils
Blue Vitriol
Caustic Soda
Sulphur Oils
Crude and Refined Sulphur

Caustic Potash
Nitrate of Soda
Phosphate Rock
Carbonate of Potash
Sodium Bicarbonate
Sulphate of Ammonia

**Powder Manufacturers' Supplies and Fertilizer
Materials of All Kinds**

Bremen; Phosphoric, 77 crbys., Order, Hamburg; 179 vessels, Order, Hamburg; Sludge, 75 bbls., Order, Hamburg
BAUXITE—699,315 kilos, Fourth St. Nat Bk., Hamburg; 8,200,000 kilos, L. R. Buick, Sebinico & Split
CALCIUM PERMANGANATE—1 csc., Black Diamond S.S. Corp., Bremen
CHALK—1,000 bgs., Tradesmen's Nat Bk., Antwerp; 1,100 bgs., Order, Antwerp
CUTCH—50 boxes, Order, Liverpool
EPSOM SALT—300 bbls., Order, Hamburg; 250 bgs., Brown Bros. & Co., Bremen
GLAUBER SALTS—300 bgs., Order, Hamburg; 51 bbls., Order, Hamburg
GUM—Copal, 35 bgs., John H. Faunce, Inc., Liverpool; 100 bgs., Brown Bros. & Co., Antwerp; 93 bgs., Order, Antwerp
OIL—Degras, 40 cks., E. F. Houghten & Co., Antwerp; Olive, 50 cs., Order, Genoa; 250 cs., Order, Genoa; Palm, 117 cks., Order, Liverpool

POTASH—Caustic, 50 drms., Am Exch Nat Bk., Hamburg; Manure Salt, 1 lot, Order, Bremen; \$54,004 kilos, Potash Imp Corp., Hamburg; Muriate, 3,000 bgs., Potash Imp Corp., Bremen; 750 bgs., Potash Imp Corp., Hamburg; Nitrate, 80 cks., Harshaw, Fuller & Goodwin Co., Antwerp; Sulfate, 1,000 bgs., Potash Imp Corp., Hamburg
PYRIDINE—4 drms., Order, Hamburg
SALT ROCK—254,000 kilos, Charles Kurtz & Co., Hamburg
TAPIOCA FLOUR—253 bgs., International Banking Corp., Batavia
SODIUM—Silicate, 46 cks., Amer. Doucil Co., Liverpool; Sulfide, 185 drms., Order, London
WHITING—200 bgs., Amer Exp Co., London

IMPORTS AT BOSTON

June 13 to 20

ACID—Cresylic, 12 drums, Order, Glasgow
ALUMINUM—Sulfate, 225 bags, Meteor Products Co., Rotterdam

AMMONIUM—Muriate, 20 casks, Kuttroff Pickhardt, Rotterdam
CASEIN—1,251 bags, First Nat Bank, Buenos Aires
CHINA CLAY—52 tons, Morey & Co., Fowey; 564 tons, J. Richardson, Fowey; 1,115 tons, Atlantic Nat Bank, Fowey; 266 tons, Paper Makers Imp. Co., Fowey
EXTRACTS—Quebracho, 1,000 bags, Winthrop Beckman, Buenos Aires
GINGER—40 casks, First Nat Bank, Hongkong
GUM—Ghattay, 57 bags, T. M. Duche, Glasgow
IRON OXIDE—20 casks, Order, Liverpool
MOLASSES—500,000 gals., Order, Porto Rico
OCHRE—65 casks, Order, China
SHELLAC—100 bags, Order, Calcutta
SODA—Phosphate, 100 casks, Roessler & Hasselacher Chemical Co., Antwerp
STICKLAC—222 bags, Columbia Trust Co., Calcutta; 329 bags, E. S. Parks Shellac Co., Hongkong
TURPENTINE—1 bbl., Order, St. Johns

HYDROGEN PEROXIDE

100 VOLUME

Stocks in New York and Philadelphia

Albumen, Blood
 Egg
 Gelatin, Pure Food
 Technical
 Glue

CLEGG CHEMICAL COMPANY, Inc.
 25 BROADWAY NEW YORK
 Bowling Green 9672-9673

DYE STUFFS

Olive Oil
 Chemicals

Finishing Materials

Imported or Domestic Dyes

J. U. Starkweather Co.

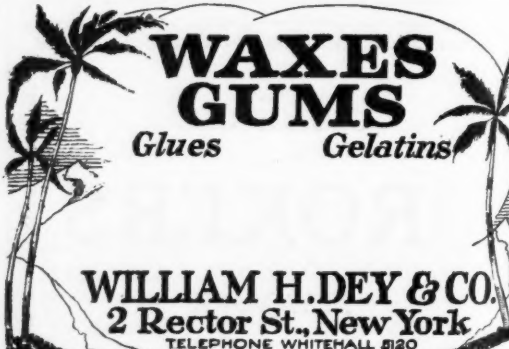
Hospital Trust Bldg., Providence, R. I.

BETA CHROME
MORDANT

for chromate dyeing

Neutral chromate and
 mild color driving salts

C.G.V. SJÖSTRÖM
 Springfield, Mass.



**WAXES
GUMS**
 Glues Gelatins

WILLIAM H. DEY & CO.
 2 Rector St., New York
 TELEPHONE WHITEHALL 5120

A.-G. der
CHEMISCHEN PRODUKTEN FABRIK
 Pommerensdorf (Stettin) Germany

"POMERANIA BRAND"

Sodium Bisulfite Sodium Pyrophosphate
 Sodium Hyposulphite "Exsiccated"
 Sodium Phosphate


Famous throughout the world for their
 high quality and uniformity

Represented by

F. RUDLOFF

136 Front Street

New York



IF ON
WILLIAM C. LAWSON CORPORATION
 BROKERS

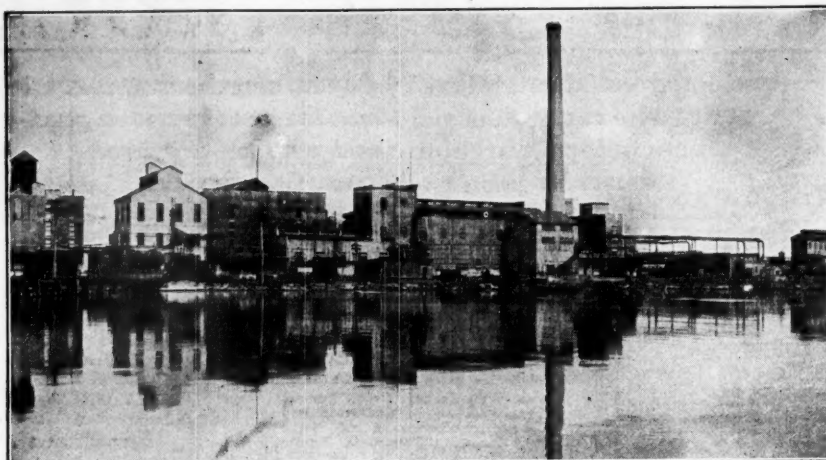
LAWSON'LL
 GET IT

PHONES
 WORTH
 9347-9349

We offer
 4,000 gals.
REFINED POPPY SEED OIL
 Spot

ARSENIC
 Spot and Futures

51 Chambers Street
 NEW YORK CITY



General view of a few of the producing units of the company's plant

SCIENTIFICALLY ELIMINATING WASTE—

THE plant of the U. S. Industrial Chemical Co. has been specially planned and built to eliminate waste.

Most of the equipment installed in the various buildings was designed by the company's own staff of chemical engineers—and constructed in the company's own machine shops and laboratories.

This equipment—as well as its scientific installation and operation—is the outcome of years of experience in chemical manufacture. Its efficiency and economy are unsurpassed.

The U. S. Industrial Chemical Co. produces a wide variety of chemicals—to serve a wide range of important industries. For all the by-products resulting from the manufacture of each principal chemical are utilized to make other chemicals of value to science and industry.

A special experimental organization is constantly engaged in

BY SAVING EVERY POSSIBLE BY-PRODUCT

Industrial chemicals produced by this company

Acetic Ether	Ethyl Formate
Acetone	Ethyl Lactate
Ammonium Salts	Ethyl Oxalate
Amyl Acetate	Ethyl Phthalate
Amyl Alcohol	Ethylene
Butyl Acetate	Isobutyl Alcohol
Carbon Dioxide	Isopropyl Alcohol
Ether, Absolute	Iodine, Distilled
Ether, Anesthesia	Normal Propyl Alcohol
Ether, U. S. P.	Potash Salts
Ethyl Acetate	Potassium Iodide
Ethyl Aceto-Acetate	Refined Fusel Oil
Ethyl Alcohol, Absolute	Special Esters
Ethyl Alcohol, C. P. 96%	Tincture Iodine

the study of this most important problem—the saving and utilizing of every possible by-product. Through the work of this research staff many new uses for chemicals have been discovered and developed—and by-products formerly wasted have been given industrial uses. For example, highly valuable products have even been recovered from combustion gases formerly regarded merely as “smoke.”

This organization obtains its raw materials in large quantities, at advantageous prices. It develops every possible use of these materials with utmost economy and efficiency—minimizing and stabilizing its production costs.

Thus the U. S. Industrial Chemical Co. is in a position to offer to industry not only a wide variety of highest grade chemicals, but at prices that, quality for quality, are consistently the lowest that any manufacturer can offer.

U. S. INDUSTRIAL CHEMICAL CO., Inc.

EXECUTIVE OFFICES: 110 EAST 42nd STREET, NEW YORK

Branches in all principal cities

Local Spot Stocks

A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.



Illinois

Illinois (Cont.)

Massachusetts (Cont.)



STANDARD CHEMICALS
FOR ALL PURPOSES
**MERCHANTS
CHEMICAL CO., Inc.**

1314-16 S. Canal St., Chicago, Ill.

Sales Offices and Warehouses
MILWAUKEE MINNEAPOLIS
INDIANAPOLIS ST. LOUIS

Middlewestern Sales Agents For
MICHIGAN ALKALI CO'S
SALES DEPARTMENT

DEPENDABLE SERVICE Benner Chemical Company

208 South La Salle Street, Chicago, Ill.
Soda Ash, Caustic Soda, Neutral
Soda, Washing Soda, Cleaner and
Cleanser, Bicarbonate of Soda,
Tri Sodium Phosphate, Oxalic
Acid.

Address All Communications to Main Office

Indiana



Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda.

Aqua Ammonia	Ethyl Acetate
Brimstone	Butyl Alcohol
Sulphur	Refined Fuel Oils
Saltpetre (Potassium Nitrate)	Ether
Sodium Nitrate	Alum (Aluminum Sulphate)
Potassium Chloride	Turpentine
Amyl Acetate	Rosin "F"
Butyl Acetate	

The ULRICH CHEMICAL CO.

606 OCCIDENTAL BUILDING
INDIANAPOLIS

Main 6879—Lincoln 6879

Western Sales Agents for

ACETATES

Amyl Ethyl Butyl

IODIDES

Potassium Sodium Ammonium

Manufactured by

Witbeck Chemical Corp'n
ALBANY NEW YORK

Massachusetts



Liquid Chlorine-Caustic Soda-Soda Ash
Bleaching Powder-Anhydrous Ammonia
Modified Virginia Soda-Bicarbonate of Soda

Zinc Dust—Tri Sodium—Irish Moss
Albumen—Epsom—Lithopone
LEONARD W.

CRONKHITE
INCORPORATED

385 Congress St., Boston.

Cons. 6686

ROGERS & MCCLELLAN

Industrial Chemicals
136 FEDERAL ST. BOSTON
New England Agents for—
Jefferson Distil. & Denaturing Co.

Denatured Alcohol

Seaboard Chemical Co.

Methanol

Methyl Acetone

Penn. Chemical Works

Lye

Atlantic Carbonic Co.

Glauber Salts

Franco-American Chemical Works

Amyl Acetate

Butyl Acetate

Eastern Agents for—

Battelle & Renwick

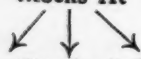
Sulphur

Salt Petre

WISHNICK-TUMPEER CHEMICAL COMPANY

**MAGNESIUM
CARBONATE**

Stocks At



Chicago Cleveland Brooklyn

Whiting

INDUSTRIAL CHEMICALS
A. DAIGGER & COMPANY
54 W. KINZIE ST., CHICAGO

A. C. DRURY & CO.

106 E. AUSTIN AVE., CHICAGO, ILL.
Phone Central 2348 and 2349

Western Headquarters On
Kaolin—Italian Talc—Ozokerite Wax
Zinc Stearate—Zinc Oxide—Filter Paper
Stearic Acid—Rice Starch—Waxes
Gums, Etc.

E. & F. KING & CO.

Estab. 1834

Inc. 1904

399-409 ATLANTIC AVE., BOSTON

New England Distributors

WYANDOTTE

MODIFIED SODAS

SODA ASH, CAUSTIC SODA, CAR
BONIC SODA, SAL SODA AND
BICARBONATE SODA

Importers of and Dealers in

**INDUSTRIAL
CHEMICALS**

ALCOHOL

DENATURED - WOOD

HOWE & FRENCH

Established 1834

99 Broad St., Boston, Mass.

DOE & INGALLS, INC.

196 MILK STREET

BOSTON

Congress 7031

C. P. ANALYZED REAGENTS FOR
LABORATORIES

Local Spot Stocks

Missouri

G. S. ROBINS & CO.

"Chemicals With Service"

513 S. 2ND ST., ST. LOUIS

Alum, Aluminum Sulphate (Iron Free), Sodium Sulphide, Sulphonated Castor Oil and Copper Sulphate for Textile Manufacturers

Distributors for

MATHIESON

Liquid Chlorine-Caustic Soda-Soda Ash Bleaching Powder-Anhydrous Ammonia Modified Virginia Soda-Bicarbonate of Soda

Ohio

The Chemical Utilities Co.

Industrial Chemicals

Acetic Acid Muriatic Acid
Battery Acid Sulphuric Acid
Silicate of Soda Alkalies

Denatured Alcohol

Cincinnati 1515-17 W. 6th St.

Pennsylvania (Con't.)

CHEMICALS FOR ALL INDUSTRIES

ALKALIES, ACIDS
DRY COLORS, STARCHES
SOLVAY CAUSTIC SODA
SOLVAY SODA ASH
PROSPERITY MODIFIED SODA

GEORGE S. COYNE
CHEMICAL CO., Inc.

114 Walnut St.

Philadelphia

Pennsylvania

Flavors—Food Colors

Essential Oils

Millard-Heath Co.

216 Pine Street - - St. Louis, Mo.

Chemicals and Oils

FOR

TEXTILE
LEATHER
PAPER
RUBBER
PAINT, ETC.

ALEX. C. FERGUSON, JR.

450 Chestnut Street, Philadelphia
Est. 1892 Lombard 3210-3211

SODA ASH CAUSTIC SODA

Tri Sodium Phosphate

Complete Warehouse Stocks
CLEANSING SODAS-ALKALIES

SODIUM { BI-CARBONATE
 { SILICATE
 { NITRATE
 { Etc., Etc.

Authorized Distributors for Diamond Alkali Co. and Victor Chemical Works

Rodgers Chemical Co., Inc.

412 Fitzsimons Bldg., Pittsburgh
For Interested Service—Call COURT 1199

Rhode Island

GEORGE
MANN
and CO., INC.

Providence, Rhode Island

SODA ASH
CAUSTIC SODA
SODIUM SULFIDE
CALCIUM CHLORIDE
AMMONIA
STEARIC ACID

Texas

SULPHURIC ACID
CHEMICALS
CARLOTS-CONTRACTS-LESS CARLOTS

WAREHOUSE STOCK AT - DALLAS
HOUSTON, TULSA, WICHITA, FALLS, SAN ANTONIO,
CORPUS CHRISTI, SHREVEPORT, LITTLE ROCK

632
BANKERS
MORTGAGE
BLDG.

JOE BARLOW Distributor
DALLAS, TEXAS

2507
HARRISON
ST.

New York

Headquarters in Western New York

Industrial Chemicals

Alcohols Naval Stores
Pigments Misc. Oils

ROLLS CHEMICAL CO.

ELLICOTT SQ. BLDG., BUFFALO

PIERCE & STEVENS, INC.
Alcohols Chemicals Solvents

SINCE 1884



710 OHIO STREET
BUFFALO, N.Y.

YOUR card here stamps you as headquarters in your territory—

One inch \$30, three months
Two inches, \$50, three months

Three inches, \$75, three months

Sold on the yearly order.

USED MACHINERY MARKET

The Market-place for Used Machinery, Equipment, Drums, Carboys, etc., Used by the Chemical and Allied Industries

FOR SALE ENTIRE PLANT DRYERS, KETTLES, BOILERS, TANKS, CRUSHERS, FILTERS

and all other
equipment

As Well As

22 ACRES FRONTING
1700 FEET ALONG PAS-
SAIC RIVER, GREATER
NEW YORK DISTRICT

Phone or Write Owners

F. J. LEWIS MFG. CO.
Mulberry 3800
NEWARK, N. J.

FOR SALE

300 gal. Stokes Mixer
100 gal. W and P Mixer
125 gal. Still and Receiver
#2 Buffalo Vacuum Drum Dryer
110 gal. C I Jacketed Kettle
18" and 24" Shriver Iron Filter
Presses
1700 gal. Steel Autoclave
215 gal. Valley Autoclave

ROBERT P. KEHOE
7 East 42nd St., New York, N. Y.

OFFERED FROM STOCK

12 Vacuum Shelf Dryers, Nos. 5-28
20 Truck and Tray Type Dryers, vari-
ous sizes and types
10 Centrifugal Machines, copper and
steel basket, 12-60"
16 Filter Presses, iron and wood, Sweet-
lands and other types
Copper Stills and Sulphonaters, iron and
steel, 50 gal. - 2,000 gal.
6 W.&P. Heavy Duty Mixing Machines,
various sizes
10 Schutz-O'Neill Pulverizers, 28 inch.
6 Raymond Pulverizers, 0-0000
4 Mead Mills
2 Brand New General Ceramics Stone-
ware Blowers
2 Glen Falls Sulphur Burners
Send Us Your Inquiries
Consolidated Products Co., Inc.
15 Park Row Phone
New York City Barclay 0603

For Sale

NITRIC ACID PLANT Never Used

CAPACITY 50,000 LBS.
EVERY 24 HOURS
COMPLETE PLANT WITH BUILD-
ING — EXCELLENT BUY.

Box No. 239,
DRUG & CHEMICAL MARKETS

CHEMICAL MACHINERY WANTED What Have You To Offer?

FOR SALE
1 #7 Devine Vacuum Dryer with Con-
denser
1 #3 Mead Mill, 24" Dia.
1 #1 Kent Pulverizer
IRVING BARGAN COMPANY
30 Church St. Phone
New York Cortlandt 2195-2196

**Wanted—Complete equip-
ment for construction of Chemi-
cal Plant—filter presses, cen-
trifugals, rollers mills, dryers,
stills and Duriron, etc. Box 228.**
DRUG & CHEMICAL MARKETS

FOR SALE
YARYAN EVAPORATOR—1-3 coil
triple effect with heater, condensed
pump, rebuilt by Manufacturer.
DRYERS—2-6x25 Louisville steam; 1
6x40 Louisville Direct; 1-3x15 Buho-
vak Rotary Vacuum.
Technical Economist Corporation
40 Rector St. New York, N. Y.
Phone - Whitehall 5243 Cable - Herenco



STEEL DRUMS

The Perfect and Economical Container for

DRY CHEMICALS
(powder, crystal, granular)

PASTES

THE D. H. STOLL CO.

Incorporated

26 LANSING ST.

BUFFALO, N. Y.



CARBOYS STEEL DRUMS

For dyes, chemicals, paints, varnishes, colors, oils, fats, greases, etc.

BOUGHT—SOLD—EXCHANGED

THE CARBOY COMPANY
South Kearny, N. J.

STEEL DRUM AND BBL. CO.
South Kearny, N. J.



Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"
DRUG & CHEMICAL MARKETS
 3 Park Place, New York.

Bids and Proposals

NAVAL SUPPLIES—Bids are wanted on date indicated by the bureau of supplies and accounts, Navy Department, Washington, for supplies for navy yards and stations: Sched. 240, Philadelphia, 7,000 lbs. aluminum powder, opening of June 26.

MISCELLANEOUS—Bids are wanted on date indicated by the bureau of supply, Treasury Department, Washington, for miscellaneous supplies for federal buildings under control of the Treasury Department: Cir. 5469, 475 bots. sodium bicarbonate, 275 bots. calomel and soda, 475 bots. sun cholera, 115 doz. tubes carbolated vaseline and 234 doz. jars do.

OIL—Bids are wanted June 25 by the supervisor, port of New York, New York City, for fuel, lard oil, kerosene, cylinder oil and linseed oil.

OILS—The U. S. engineer, New Orleans, La., will open bids June 29, o'r. 209, for miscellaneous oils for a 6 months' period beginning July 10.

PANAMA CIRCULAR 1678—The general purchasing officer, the Panama Canal, Washington, will open bids July 1, cir. 1678, for 5,000 lbs. Calcium Carbide.

Business Opportunities

WE BUY FOR SPOT CASH—Surplus and odd lots of chemicals, oils, dyes, intermediates, solvents, gums, glues, waxes, and any item of a chemical nature. Republic Chemical Corp., 303 Pearl St., New York, N. Y.

Business Opportunities

BROKERAGE CONNECTIONS offered reputable firms or salesmen acquainted with the jobbing and manufacturing trades in the middle West and Southern States for the sale of our Pharmaceutical specialties. Corona Chemical Company, Inc. 43 Wooster St., New York City.

A CENTURY OLD TRADING CONCERN specializing in chemicals and minerals in France, applies for the sole agency of American producers. First class banking and commercial references. For further information write to Box 240, DRUG & CHEMICAL MARKETS.

REPUTABLE FIRM—well introduced throughout Sweden to perfumers and dry-salters and many other allied industries—wants the sole sales rights for Sweden on commission or outright basis, on real quality products in toilet requisite, chemical-technical or other interesting line. Answer to "Quality-ware," Svenska Telegrambyrans Annonsavdelning, Stockholm, Sweden.

CARBON BLACK—A well known most reliable German firm wants representations for Carbon Black. Manufacturers of first class brands desirous of doing good business with Germany are requested to write to Box 236, DRUG & CHEMICAL MARKETS. Best references can be given and are required.

Business Opportunities

LIVE SALES AGENCIES wanted by manufacturer, industrial specialties in central northwestern and western sections. Buchanan Chemical Co., Norwood PO, Cincinnati, Ohio.

TEXTILE TRADE CHEMICALS—Aggressive young chemical concern intensively soliciting textile accounts will purchase plant or undertake exclusive agency practical specialty or staple. Replies confidential. Box 438 DRUG & CHEMICAL MARKETS.

Situations Wanted

YOUNG MAN who has completed four years of chemical engineering at Bucknell University, desires temporary position for Summer months in plant or office. Speaks French and Spanish fluently. A. Canto, 133 W. 113th St., New York City.

Purchasing Assistant—Young man twenty-nine, two years experience with large insecticide manufacturing and chemical corporation, moderate salary. Box 232 DRUG & CHEMICAL MARKETS.

Sales manager: nine years experience as chemist. Ten years experience in sales. Especially experienced handling business with railroads. Would prefer to locate near Philadelphia, or in Chicago. No. 104, c/o Bureau of Employment, of Chemist's Club (Agency), 52 E. 41st St. New York City.



"The Purity of 20 Mule Team Borax Products is Never Questioned."

BORAX
 and
BORIC ACID
 in all forms

Pacific Coast Borax Co.

100 William Street, New York
 Chicago Los Angeles



ETHYL
DENATURED ALCOHOL

LET US QUOTE YOU

David Berg Industrial Alcohol Co.
 PHILADELPHIA, PA.

OFFICES IN PRINCIPAL CITIES

POTASH
'KEMFERT'
SALTS

90 to 98% Potassium Chloride

Write for specifications and price.

AMERICAN TRONA CORPORATION
 Woolworth Bldg. New York City

SOLVENTS AND SOFTENERS

Synthetic Organic Chemicals
Products of Superior Quality

THE KESSLER CHEMICAL CO.
MANUFACTURING CHEMISTS

Orange, N. J.

Situations Wanted

PURCHASING ENGINEER or plant management. Chemist with twenty years experience in these lines. If interested communicate with No. 9000, Bureau of Employment, of the Chemists Club (Agency), 52 E. 41st St., New York City.

MAN WITH GRADUATE TRAINING IN CHEMISTRY and five years teaching experience, wants position as technical salesman or publicity man. If interested communicate with No. 9525, Bureau of Employment, of the Chemists Club (Agency) 52 E. 41st St., New York City.

Help Wanted

ESSENTIAL OILS AND CHEMICALS—Man calling on patent medicine, pharmaceutical and allied trades selling boxes, bottles or similar line, to take on a side line of essential oils and chemicals. Must sell non-competing products. Communicate with Box 241, **DRUG & CHEMICAL MARKETS**.

WANTED—Young chemist, preferably with some experience in azo dyes and dry colors for works laboratory. Box 244, **DRUG & CHEMICAL MARKETS**.

CHEMIST WANTED who has had experience in the manufacture of extracts, baking powder, meringue powders, vanilla, etc. Young man preferred who is looking for an advancement. State in first letter experience. Box 242, **DRUG & CHEMICAL MARKETS**.

Drugs and Chemicals

VARNISH—1,200 gallons high quality guaranteed. Sacrificing below manufacturing cost 25 gallon drums 78¢ per gallon. Sample gallon \$1.00 prepaid. American Chemical Products Co., Rochester, N. Y.

WE ARE PURCHASERS of excess and low grade Sodium Sulphide. Box 237, **DRUG & CHEMICAL MARKETS**.

Drugs and Chemicals

CHLOROFORM—Large manufacturer has exclusive sales representation to offer in several parts of the country. Address Box 235 **DRUG & CHEMICAL MARKETS**.

FOR SALE—A collection of standard crude drugs in square decorative labelled glass bottles, invaluable to colleges, schools and wholesale druggists. George Hiram Mann, Attorney, 80 Wall street, New York, N. Y.

MANUFACTURER of all wood distillation products—i. e. acetone, acetone oils, methyl alcohol, wood oils, pure creosote, etc. Desulacijs Drva D. D. Boskovecva Ulica 33, Zagreb, Yugoslavia.

FIRST HAND DEALERS since 1887 in Florida crude drugs. Stocks guaranteed. Florida Botanical Drug Company, 1010 Bisbee Bldg., Jacksonville, Florida.

TARTRATES—Exporters of tartar products. Crude tartar, tartrate of lime, cream of tartar. Marquet & Co., Apartado 166, Zaragoza, Spain.

Plant Equipment

GLASS LINED TANKS: 20 Pfaudler tanks, approximately 9,000 gal. capacity, flanged in four ring sections, fully equipped with adjustable jack supports, intake and outlet valves, practically new condition, guaranteed fully, cost \$2,000; price \$500; 13 same, 500 gal. capacity—\$325. Heider Industrial Chemical Co., 116 East Lafayette St., Columbus, Ohio.

FOR SALE—Quantity of standard filterros tiles, 1 1/4" thick and in original crates. For inspection or further details address Box 243, **DRUG & CHEMICAL MARKETS**.

Plant Equipment

FOR SALE—Kiefer Bottle and Can Filling machines, Crown capping machine, World Labeler, Six Copper jacketed kettles, Four aluminum kettles, Shriver and Sperry Wood and Iron Filter Presses, 10 H. P. Gas Boiler, Day Lighting Mixer and Pony Mixer, Devine Vacuum Dryer, Proctor Dryer, No. 6 Sharpless Centrifugal, steam Pumps, Duriron Pumps, Pipe and fittings, Tanks, Kettles, etc. Consolidated Products Company, Inc., 18 Park Row, New York City.

WANTED—Multiple ring filter press 10" with motor and rotary pump, Kiefer style preferred. Must be in first class condition and a bargain. Address with price and description. Anderson Indian Medicine Co., Box 531, Middlesboro, Ky.

Read Mixers. Nos. 11, 23, 28 Devine Shelf Dryers. 18, 24, 30 and 36 in. Johnson or Shriver iron or wood filter presses. 42x42 in. Ball Mills. 30x18 in. Day Ball Mill. Devine No. 1008D vacuum pump. Steel, copper, aluminum, enamel lined tanks and kettles. Various sizes. Write for detailed list of equipment at Palmine Company (Vegetable Oil Refinery), Dobbs Ferry, N. Y. The Campbell-Keith Corporation, 30 Church Street, New York, Cortlandt 5727-8755.

Miscellaneous

FOR SALE—Complete files of **DRUG & CHEMICAL MARKETS**, unbound, \$5.00 a volume.

ASK THE Bureau of Employment of the Chemists' Club (Agency) 52 East 41st Street, New York City. If you need a chemist (man or woman) for the laboratory or work. If you wish a position for the practice of your profession. No charge to employers. Moderate fee to applicants. Prof. Herbert R. Moody, Chairman Club Committee



1900 ~ ~ 1925

Imported Products

of

Standard Quality

for

American Industries

Sole Importers for U. S. and Canada

Pfaltz & Bauer, Inc.

300 PEARL STREET · NEW YORK

Branches:

Chicago	Cleveland	Boston
Los Angeles	San Francisco	

E. DE HAËN, A. G.

SEELZE

(Near Hannover)

Luminous Paint Materials

Phosphorescent Compounds

Yellow	Blue
Green	Violet
Orange	Sea Green

Put up in
1 lb. bottles

Index To Advertisers

Alsop Engineering Co.	1827
American British Chemical Supplies, Inc.	1870
American Cyanamid Co.	1867
American Trona Corp.	1895
Arkell Safety Bag Co.	1768
Arnold Hoffman & Co.	1874
Atkins & Co. E.	1886
B. & W. Co.	1821
Baird & McGuire	1897
Barcan Co., Irving	1894
Barlow, Joe	1893
Barrett Co., The	1873, 1879
Barrett Co., M. L.	1879
Bemis Bro. Bag Co.	3rd Cover
Benkert & Co., W.	1805
Benner Chemical Co.	1892
Berg Industrial Alcohol Co., David	1895
Bromund Co., E. A.	1803
Bergstrom, Stoeve & Co.	1830
Bush, Burton T.	1800
Cabot, Godfrey L.	1837
Calco Chemical Co.	1858
Campbell & Co., John	1801
Carbide & Carbon Chemical Corp.	1894
Carboy Co., The	1830
Carlton A. S.	1813
Carus Chemical Co.	1893
Chemical Utilities Co.	1889
Chemical Works "Na den"	1742
Chemische Fabrik (Dr. Hugo Stoltzenberg)	1890
Church & Dwight	1880
Clegg Chemical Co.	1887
Cleveland-Cliffs Iron Co., The	1863
Commercial Solvents Co.	1884
Compagnie Duval	1894
Consolidated Products Co.	1893
Consumers Chemical Co.	1863
Cooper & Co., Chas.	1893
Coyne Chem. Co., Geo. S.	1892
Cronkrite, Inc., Leonard W.	1892
Daigger & Co., A.	1890
Dey & Co., Wm. H.	1876
Diamond Alkali Co.	1802
Doe & Irigalla	1884
Dovan Chem. Corp.	1892
Dow Chemical Co., The	1st Cover
Dreyer, P. R.	1884
Drury & Co., A. C.	1892
Du Pont de Nemours & Co., E. I.	1802
Eastman Kodak Co.	1865
Economic Machinery Co.	1898
Electro Bleaching Gas Co.	1826
Federal Products Co., The	1893
Fergusson Jr. Alex. C.	1732
Fougera & Co., E.	1888
Fries & Fries Co.	1886
Fritzsche Bros.	1829
Gebr. Himmelsbach, A. G.	1865
General Chemical Co.	1866
Grasselli Chemical Co.	1868
Dyestuffs Department	1770
Gray & Co., William S.	1872
Greeff & Co., R. W.	1870
Hammill & Gillespie	1892
Howe & French	1872
Industrial Chemical Co.	1883
Innis Speiden & Co.	1745
International Products Corp.	1881
International Salt Co.	

(Continued on page 1898)

Cresylic Acid 97/99% Pale

Phenol coefficients 2 to 20. Rideal-Walker Test. Produce white emulsion free from deposit. Phenol coefficients guaranteed.

BAIRD & McGUIRE, Inc.

Holbrook, Mass.
P. O. Box 473

St. Louis, Mo.
1200 Switzer Avenue

THE NEWPORT QUALITY

Coal Tar
Products

IN THE COURSE OF OUR PROCESS

"Coal to Dyestuff"

we produce many coal tar chemicals and intermediates. These we offer for sale in the same high quality standards that have given our colors their superior reputation. We are headquarters for the following and we solicit inquiries for others not listed:

Flotation Reagents	Xylidine
Ortho Nitro Toluol	N W Acid
Ortho Nitro Anisol	Dianisidine
Para Nitro Toluol	Benzidine
Ortho Toluidine	Tolidine
Ortho Anisidine	Gamma Acid
Para Toluidine	Cleves Acid
Meta Phenylene Diamine	
Meta Toluylene Diamine	
Alpha Naphthylamine	
Sodium Naphthionate	



Newport Chemical Works
INCORPORATED
PASSAIC, NEW JERSEY



In Bleaching — Chemical control means economical control



E B G SERVICE

production facilities means adequate ties, ample container equipment, and without expense to you, the services of an experienced engineering staff which will advise, or indeed direct, the change in any installation from existing methods to Liquid Chlorine.

Conferring supervisory control of bleaching processes upon technical men has resulted in a marked increase of efficiency—results that are reflected in a more profitable balance sheet.

Liquid Chlorine, almost unanimously adopted for bleaching purposes, has played a stellar role under the new order of things. E B G Liquid Chlorine solutions enable the operator to secure the much wanted softer "feel" in yarn and cloth; it is recommended by expert bleachers for all cotton goods.

Liquid Chlorine is clean, and easily handled. Solutions are always full strength. Liquid Chlorine, therefore, prevents losses, while adding to profits through increased production.



This E B G Cylinder Valve Yoke permits of more rapid connection and disconnection of chlorine containers to other equipment by eliminating the necessity of making threaded connections each time a new cylinder is put in service.

For the convenience of our customers in addition to our plant and warehouses at Niagara Falls, we carry stocks at Providence; Long Island City; Charlotte, N. C.; Dallas, Tex.; Chicago and Denver.

Write for your copy of "Liquid Chlorine in Textile Bleaching."

Affiliated with
Niagara Alkali Company
Joseph Turner & Co., N.Y.
Sole Agents for CAUSTIC SODA and BLEACH



Electro Bleaching Gas Co.
PIONEER MANUFACTURERS OF LIQUID CHLORINE

Plant: NIAGARA FALLS, N.Y.

Main office 9 East 41st Street New York

Index to Advertisers

(Continued)

Jordan, Wm. E. & Bro.	1812
Kehoe, Robert P.	1809
Kessler Chemical Co., The	1810
King & Co. E. & F.	1810
Klipstein & Sons Co., E. C.	1810
Lawson Corp., Wm., C.	1810
Lewis Mfg. Co. F. J.	1810
Lennig & Co., Chas.	1810
Magnus, Mabce & Reynard, Inc.	1887, 1888
Mallinckrodt Chemical Works	1867
Mann & Co., George	1893
Mathieson Alkali Works	1835
Merchants Chemical Co.	1892
Merck & Co.	1838
Merrimac Chemical Co.	1838
Metz & Co., H. A.	1836
Millard-Heath Co.	1893
Miner-Edgar Co. The	1864
Miner Laboratories	1880
Monarch Nusbaum Paper Box Co.	1734
Monsanto Chemical Works	2nd Cover
Morana, Incorporated	1885
Newport Chemical Works	1879, 1897
New York Quinine & Chemical Works	1863
Niagara Alkali Co.	1896
Norvell Chemical Corp.	1880
Pacific Coast Borax Co.	1895
Parsons & Petit	1889
Philippeau, J. L.	1762
Pickwick Arms	1838
Pierce & Stevens	1893
Pfaltz & Bauer	1896
Powers-Weightman-Rosengarten Co.	1863
Presman Company B.	1813
Raab & Co. H.	1888
Rhodia Chemical Co.	1884
Robins & Co., G. S.	1893
Rodgers Chemical Co.	1825, 1893
Roesler & Haaslach Chemical Co., The	4th Cover
Rogers & McClellan	1892
Rohm & Haas Co.	1871
Rolls Chem. Co.	1863
Rudloff, F.	1893
Seaboard Chemical Co.	1878
Selden Co., The	1875
Sjostrom, C. G. V.	1890
Solvay Process Co.	1877
Starkweather Co., J. U.	1890
Steel Drum & Barrel Co.	1894
Steffens, G. A.	1801
Sterling Borax Co.	189
Stoll Co., D. H.	189
Suter & Co. Eugene	186
Technical Economist Corp.	1894
Thompson, Hayward & Schluter	1893
Uhe, Geo.	1889
Ulrich Chemical Co., The	1892
Ungerer & Co.	1885
U. S. Industrial Chemical Co.	1891
Victor Chemical Works	1883
Warner Chem. Co.	1863
Wilson Laboratories, The	1877
Wing & Evans	1878
Winkler & Bro. Co., Isaac	1878
Wirz, A. H.	1892
W-shnick-Tumpe Chem. Co.	1892
Wrackmeyer & Co.	1830

STERLING BRAND

BORAX

AND

BORACIC ACID

fifteen years on the Market
and never a complaint ~

STERLING BORAX COMPANY

HARRIS TRUST BUILDING
CHICAGO, U.S.A.

SINCE 1858 THE WORLD'S LARGEST MAKERS OF QUALITY BAGS

Do You Realize What Inefficient Shipping Methods Cost?



Many concerns in the chemical industry look upon the loss of a nickel's worth of material as a serious offense, yet tolerate greater losses due to inefficient and out-of-date shipping methods without turning a hand to solve the problem.

Nowadays it's an easy matter to lose money in your shipping room. Boxes, barrels and drums are expensive. The labor needed for packing and handling, the large storage facilities required, to say nothing of higher freight rates, add much to the high cost of shipping dry chemicals.

BEMIS WATERPROOF BAGS provide a safe, economical way for shipping dry chemicals that will enable you to cut your shipping costs anywhere from 30 to 50 per cent. This estimate is based upon

the experience of some of the largest concerns in the industry.

BEMIS WATERPROOF BAGS cost less, weigh less, require less storage space and less work in packing and handling, and are much more easily filled and shipped. They are the most economical containers made.

BEMIS WATERPROOF BAGS are made expressly for shipping various kinds of dry chemicals. The exterior is constructed of stout, durable burlap. The lining, which is an important feature, is waterproof and siftproof, insuring a practically airtight package. The result is a convenient, easily handled bag that can be used for shipping almost every type of loose dry chemical products.

Bemis Bro. Bag Company
407 Poplar St., St. Louis, Mo.

Bemis Waterproof Bags



Write today for samples and prices of BEMIS WATERPROOF BAGS. Test them thoroughly. Learn how you can cut packing and shipping costs and install more efficient methods in your shipping department.



Both essential to the support of consuming industries

EACH industry has its perplexities—each plant its individual problems of production. Yet the quality of the chemicals you use is often the deciding factor in putting a happy conclusion to your difficulties, no less than the caliber of the service rendered with their marketing.

The ability of R & H to supply the prime essentials in chemicals and

service is a fact of importance to every industrial consumer. This assertion of superior standards has the weightiest of backing—the good opinion and patronage of an army of customers whose technical requirements demand that they exercise the most exacting judgment.

R & H Chemicals and Service are now in their 43rd year of reliability.

FREE

Read this advertisement, then suggest a headline to replace "Both essential to the support of consuming industries". To make it more interesting the writers of the three best headlines will receive, with our compliments, a Bakelite pencil, a pipe or a cigarette holder. You may send as many headlines as you wish, but please send each headline on a separate piece of paper, accompanied by your name and address. The headlines will be judged by an impartial committee. Closing date midnight July 1st, 1925.

The
ROESSLER & HASSLACHER CHEMICAL CO.

709 Sixth Avenue

New York

MAIL THIS COUPON

The Roessler & Hasslacher Chemical Co.,
709 Sixth Avenue, New York

Gentlemen: I suggest for a headline, for your advertisement "Both essential to the support of consuming industries" the following:

.....

.....

Name

Address

